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TITLE: The Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program: Creating Opportunities for Minority HBCU Students

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14. ABSTRACT This research training program proposed to create opportunities and promote prostate cancer (CaP) research careers for minority HBCU students through the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program. In total, 30 minority students applied to participate in the ReTOOL program and 10 students were accepted. The students participated in didactic and experiential CaP research training activities between May and August in 2012, 2013 and 2014 within the scientific environment of the University of Florida (UF) Health Cancer Center. Each summer training program ended the first week of August with the Annual Research Showcase, which included poster and oral presentations by the ReTOOL students. We achieved the expected outcomes outlined for the grant award. There were 12 published scientific abstracts; two peer-reviewed publication; three publications in progress; three grant awards based on the ReTOOL program, and 15 student awards. One of the extramural grants was an NIH/National Cancer Institute funding support for an Advanced ReTOOL program to provide advanced training experiences for ReTOOL participants.				
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I. INTRODUCTION

With the significant burden of prostate cancer (CaP) seen in Black men and the limited progress in eliminating CaP disparities, it is important to develop a diverse oncology workforce in basic, clinical and behavioral research who will address CaP disparities. To address the lack of well-trained underrepresented minority (URM) cancer scientists in Florida, the University of Florida (UF) Health Cancer Center (UFHCC) partnered with Florida A&M University (FAMU) in 2012 to establish the *Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program*. Funded by the Department of Defense (DAMD W81XWH-12-1-0083), the ReTOOL program was established to eliminate the following barriers documented for URM scientists: (1) lack of committed role models;¹ (2) inadequate mentoring;² (3) insufficient preparation;¹ (4) low expectations;¹ and (5) lack of familiarity with the culture and idioms of science.¹ This DOD research training program focused on improving CaP research, education, and outreach programs in Florida³ and specifically addressed the underrepresentation of minorities in basic, clinical, and behavioral research.⁴⁻⁹

The primary objective of the ReTOOL program was to develop, promote and sustain an independent, competitive CaP research training program that creates opportunities and promotes careers in CaP research for minority HBCU students at Florida A&M University (FAMU). Between February 15, 2012 and December 14, 2014; ten (10) minority students from FAMU were trained by UF scientists within the scientific environment of the UF Health Cancer Center.

II. BODY

The primary aims of the ReTOOL program were:

- Specific Aim 1: Support the research training of five FAMU undergraduate students annually for two years within the scientific environment of the UF Health Cancer Center.
- Specific Aim 2. Provide continuous career development support for 10 FAMU students for the purpose of creating opportunities and fostering careers focused on eliminating CaP disparities.

A summary of the program activities are summarized next.

II.a. ReTOOL Research Training Program (Specific Aim 1)

Three tasks were outlined to achieve the first aim of supporting the research training of FAMU undergraduate students. All the three tasks were accomplished.

Task 1. Trainee Recruitment: The recruitment of trainees took place between November and March annually, using the ReTOOL information flyer (see Appendix I), program application materials (see Appendix II), and program website (<http://retool.cop.ufl.edu/>). The program was promoted at FAMU through the FAMUINFO e-mail service, FAMU TV, FAMU Radio, mailings and posters to relevant disciplines, and direct e-mails to potential applicants. Dr. Renee Reams (FAMU faculty advisor) also conducted personal recruitment of outstanding students through several programs, including the FAMU Student Research Forum. An annual ReTOOL program workshop was held at FAMU in January. The ReTOOL workshop involved several classroom sessions throughout FAMU and was structured to allow students to have their questions answered directly by a faculty mentor, faculty advisor and/or program staff.

Task 2. Selection of Trainees: Although over 100 students expressed interest in the program, thirty (30) completed applications were received. Table 1 provides a list of the race, academic year, discipline, GPA and research interest of all applicants. Following the review of student applications by all program key

personnel, each mentor selected up to three students to interview as a potential mentee match. A steering committee comprising the program Director (Dr. Odedina), program manager (Ms. Pressey/Mr. Hill), FAMU faculty advisor (Dr. Reams) and at least one UF mentor interviewed each applicant selected for interview. Using the ReTOOL student interview evaluation form (see Appendix III), all interviewers evaluated each interviewee and forwarded their evaluation to the ReTOOL program manager. Based on the evaluations, each UF mentor selected his/her mentee and the program Director (Dr. Odedina) notified the successful applicants. The name, race, academic year, discipline, GPA, research interest and mentor of successful applicants are provided in Table 2.

Table 1. ReTOOL Applicants					
Race	Academic Year	Application Year	Discipline	GPA	Research Interest
Black	Senior	2012	Pharmacy	3.05	Biomedical Sciences
Black	Sophomore	2012	Biology	3.10	Population Sciences
Black	Senior	2012	Biochemistry	3.24	Biomedical Sciences
Black	Senior	2012	Chemistry	3.05	Biomedical Sciences
Black	Junior	2012	Chemistry	3.65	Biomedical Sciences
Black	Freshman	2012	Pre-Pharmacy	3.06	Biomedical Sciences
Black	Senior	2012	Chemistry	2.77	Biomedical Sciences
Black	Junior	2012	Biology	3.20	Clinical Sciences
Black	Junior	2012	Pharmacy	2.98	Clinical Sciences
Black	Senior	2012	Psychology	3.93	Population Sciences
Black	Senior	2012	Pharmacy	3.15	Clinical Sciences
Black	Junior	2012	Biology	2.96	Biomedical Sciences
Black	Senior	2012	Pharmacy	2.86	Population Sciences
Black	Freshman	2012	Pre-Pharmacy	3.18	Biomedical Sciences
Black	Senior	2012	Criminal Justice	3.27	Population Sciences
Black	Senior	2012	Pharmacy	3.05	Biomedical Sciences
Black	Senior	2012	Biology	3.10	Population Sciences
Black	Sophomore	2013	Biology	3.61	Biomedical Sciences
Black	Junior	2013	Biology	3.60	Clinical Sciences
Black	Junior	2013	Pharmacy	3.33	Basic Sciences
Black	Senior	2013	Biology	3.40	Clinical Sciences
Black	Junior	2013	Biology	3.10	Biomedical Sciences
Black	Sophomore	2013	Biology	3.63	Biomedical Sciences
Black	Junior	2013	Health Sciences	3.81	Clinical Sciences
Black	Sophomore	2013	Political Science	2.10	Population Sciences
Black	Sophomore	2013	Biology	3.78	Biomedical Sciences
Black	Sophomore	2013	Biology	3.60	Clinical Sciences
Black	Junior	2013	Biology	3.00	Population Sciences
Black	Sophomore	2013	Biology	3.83	Biomedical Sciences
Black	Sophomore	2013	Biology	3.68	Population Sciences

Table 2. ReTOOL Mentees							
Name	Race	Academic Year	Cohort Year	Discipline	GPA	Research Interest	UF Mentor
Stephanie Alexis	Black	Sophomore	2012	Biology	3.05	Population Sciences	Dr. Henrietta Logan
Danielle Anderson	Black	Senior	2012	Biochemistry	3.24	Biomedical Sciences	Dr. Yehia Daaka
Tamieka Atkinson	Black	Junior	2012	Chemistry	3.65	Biomedical Sciences	Dr. Zhongzhen Nie
Kacy Flowers	Black	Junior	2012	Biology	3.20	Clinical Sciences	Dr. Philipp Dahm
Chloe Martin	Black	Senior	2012	Psychology	3.93	Population Sciences	Dr. Folakemi Odedina
Michael Dumas	Black	Sophomore	2013	Biology	3.60	Clinical Sciences	Dr. Philipp Dahm
Cassie Hobbs	Black	Sophomore	2013	Biology	3.78	Biomedical Sciences	Dr. Yehia Daaka
Decoria McCauley	Black	Sophomore	2013	Biology	3.63	Biomedical Sciences	Dr. Nancy Hardt
Olivia Moline	Black	Junior	2013	Biology	3.00	Population Sciences	Dr. Folakemi Odedina
Allika Williams	Black	Sophomore	2013	Biology	3.83	Biomedical Sciences	Dr. Walter O'Dell
Allika Williams	Black	Junior	2014	Biology	3.83	Biomedical Sciences	Dr. Walter O'Dell

Task 3. Career Development and Summer Research Training Program at UF: To orient the students to the ReTOOL program, an orientation packet (see Appendix IV) was sent to all successful applicants in April prior to the respective summer experience. The students were required to acknowledge receipt of the orientation package by signing an acknowledgement form due to the program manager prior to arriving at UF in May.

As an example, the 2013 ReTOOL program calendar is provided in Table 3 below. A pictorial summary of their activities is provided in Appendix V.

Typically, the ReTOOL trainees are checked in into their on-campus housing units by the program manager the weekend before the program starts. The program orientation for the ReTOOL program included:

1. Tour of the UF Cancer Center, the Health Sciences library, and other UF resources;
2. Face-to-face meeting with mentor;
3. Obtaining UF ID badges and parking permits; and
4. Tour of the Gainesville community, including shopping malls and supermarkets.

The ReTOOL didactic training program was held the first week of the program (see Table 4 for a summary of the 2013 classes, as an example). Subsequently, all ReTOOL students were required to take a comprehensive exam comprising two sections: a general section for all students and a specialized section tailored to the research area of each student. The exam was developed from questions submitted by all mentors. All students were required to pass the exam (70% minimum) prior to starting the experiential training. Following the didactic training program, a Welcome Reception attended by the mentors, faculty advisor and students was

held at the end of the first week (see Appendix VI for sample agenda).

Table 3. ReTOOL Summer 2013 Program Calendar	
May 10, 2013	Official ReTOOL Starting Date - Students Resume at Diamond/Tanglewood Village, UF May 13, 2013 ReTOOL Program Orientation <i>** Tour of the UF Cancer Center, Health Sciences library, and other UF resources; Obtain ID badges and parking permits; Tour of the Gainesville community.</i>
May 14–16, 2013	ReTOOL Didactic Training <i>** See ReTOOL class schedule.</i>
May 16, 2013	ReTOOL Exam (Begins at 1:00pm)
May 17, 2013	ReTOOL Program Welcome Reception (8 – 10am) Key Note: Yehia Daaka, PhD <i>*** Individual meetings with mentors</i>
May 20 – June 28, 2013	Experiential Training with ReTOOL Faculty Mentor (students resume to lab) Weekly Community Outreach Experiences with HealthStreet July 1 – 5, 2013 ReTOOL Summer Break – No ReTOOL program activities July 12 – 26, 2012 Experiential Training with ReTOOL Faculty Mentor (students resume to lab) Weekly Community Outreach Experiences with HealthStreet
August 2, 2013	Program ReTOOL Annual Research Award Ceremony

Table 4. ReTOOL Didactic Training Program Schedule for 2013			
	Tuesday May 14, 2013	Wednesday May 15, 2013	Thursday May 16, 2013
8:00-9:00am	Molecular Prostate Cancer Biology and Basic Sciences Principles Dr. Yehia Daaka CGRC Room 391	Cultural Competency Workshops UF CC Program HPNP Room G-105	Establishing and Maintaining a Successful Mentor- Mentee Relationship Dr. Folakemi Odedina & Dr. Phillip Dahm HPNP Room G-108
9:00 – 10:00am			
10:00- 11:00am	Prostate Cancer: Epidemiology, Diagnostic Evaluation and Treatment Dr. Philipp Dahm CGRC Room 391	Disparities in Health in America Dr. Folakemi Odedina HPNP Room G-105	
11:00- 12:00noon			
12:00-1:00pm	Lunch Break		
1:00-2:00pm	Journal Club: ReTOOL Tool Box Ms. Shannon Pressey CGRC Room 491	Socio-psychological Factors Related to Prostate Cancer Dr. Folakemi Odedina HPNP Room G-105	ReTOOL Exam HPNP Room G-108
2:00-3:00pm			
3:00-4:00pm	Imaging in Prostate Cancer Radiation Therapy Dr. Walter O'Dell CGRC Room 491	Ethical Issues in Research Ms. Shannon Pressey HPNP Room G-105	
4:00-5:00pm			

The experiential training session of the ReTOOL program began after the successful completion of the didactic curriculum. The students' experiences with their mentors included:

1. Structured one-on-one mentoring;
2. Independent reading;
3. Hands-on research experiences;
4. Research and educational meetings;
5. Scientific writing and research dissemination; and
6. Interactions with established scientists, networking, and peer linkages.

In addition, the students participated in weekly research seminars (see Table 5). As part of the weekly seminar, the students had a chance to interact one-on-one with leading cancer scientists and community leaders. In addition, they presented and received feedback on their summer research projects.

A unique characteristic of the ReTOOL program was the required community engagement and outreach activities component. The students participated in weekly community outreach activities through: (1) the UF Mobile Health Clinic under the supervision of Dr. Nancy Hardt; and (2) the UF HealthStreet program under the supervision of Dr. Linda Cottler. HealthStreet is a community-based effort that works every day to reduce disparities in healthcare and research by linking the medically underserved to medical and social services and opportunities to participate in research. The students also volunteered at community outreach programs, including the *Africa American Men's Health Summit* in Orlando and the *Man Up for Health* program in Jacksonville, Florida. The community outreach activities at these events included health education, dissemination of educational brochures, and program evaluation for the health events. In addition, some of the ReTOOL students conducted IRB-approved community engagement research at the health events, collecting data from Black men for their projects.

Table 5. ReTOOL Program Weekly Seminar Schedule		
2012 Seminar Schedule		
Date	Topic	Speaker
May 18	Preparing for and Surviving Graduate School	Mrs. Olihe Okoro (Minority Graduate Student)
May 25	Advocacy for Prostate Cancer	Mr. Sam Gaddy
June 1	Implementing Successful Outreach Program	Shannon Pressey, MS
June 8	UF Graduate Program: Opportunities for Minority Students	Laurence B. Alexander, J.D., Ph.D.
June 15	Scientific writing and dissemination	Dr. Henrietta Logan Dr. Elizabeth Pomery
June 22	Literature search strategies	Rae Jesano MSLS, AHI
June 29	GRE Tips Student Presentation	Shannon Pressey, MS Tamieka Atkinson (student)
July 6	ReTOOL Summer Break	
July 13	Student Presentations	Stephanie Alexis (student) Danielle Anderson (student)
July 20	Student Presentations	Kacy Flowers (student) Chloe Martin (student)
2013 Seminar Schedule		
Date	Topic	Speaker
May 17	Tour of Health Science Library Facilities (C2-41c)	Rae Jesano MSLS, AHIP
May 24	Literature Search Strategies	Rae Jesano MSLS, AHIP
May 31	Prostate Cancer Advocacy	Mr. Samuel Gaddy

June 7	Overview of Oncology	Thomas J. George, Jr., MD, FACP
June 14*	Scientific Writing and Publications	Earlene Lipowski, PhD
June 28	Community Engagement	Linda B. Cottler, PhD, MPH
July 5	ReTOOL Summer Break	
July 12	GRE & MCAT Tips Student Presentation	Shannon Pressey, MS Michael Dumas (student)
July 19	Student Presentation Student Presentation	DeCoria McCauley (student) Allika Williams (student)
July 26	Student Presentation Student Presentation	Cassie Hobbs (student) Olivia Moline (student)

The ReTOOL training program ended with the Annual Research Showcase (see Appendix VII for sample announcement flier). The research showcase program is provided in Table 6 below. The research projects presented by the students are summarized in Table 7. The students' poster and oral presentations were judged by three UF cancer scientists each year.

Each year, the Annual Research Showcase was very well attended by UF faculty and students as well as the family members of the ReTOOL trainees. The FAMU faculty advisor (Dr. Renee Reams) also attended the Research Showcase and Award Ceremony. The 2012 Research Showcase 1st place winner was Ms. Tamioka Atkinson and the 2nd place winner was Ms. Chloe Martin. The 2013 Research Showcase 1st place winner was Ms. Cassie Hobbs and the 2nd place winner was Mr. Michael Dumas. A copy of the plaques received by the students is provided in Appendix VIII.

To document their experiences, each ReTOOL student were provided with a disposable camera and instructed to conduct a PhotoVoice narrative of their last two weeks in the program. Sample narratives of the students are provided in Appendix IX.

Table 6. ReTOOL Program Research Showcase Program		
DOD Prostate Cancer Research Program Award W81XWH-12-1-0083		
ReTOOL Program Research Showcase		
Friday, July 27, 2012		
8:00am - 9:00am	Students Report to Display Posters HPNP Building, Atrium Area	
9:00am – 11:00am	Judges May Begin Evaluating Posters (Students must be present by their poster at all times)	
11:00am – 11:30am	Poster Removal	
11:30am – 12:30pm	Lunch Served in the Atrium Area, HPNP Building	
1:00pm – 2:15pm	Oral Presentations – HPNP Building Room G316 [10 mins presentation followed by 5 mins Q&A]	
	1:00pm – 1:10pm	Kacy Flowers
	1:15pm: - 1:25pm	Danielle Anderson
	1:30pm – 1:40pm	Stephanie Alexis
	1:45pm – 2:00pm	Chloe Martin
	2:05pm – 2:15pm	Tamieka Atkinson
2:20pm – 2:30pm	Judges Deliberations	
2:30pm	Award Presentations	
DOD Prostate Cancer Research Program Award W81XWH-12-1-0083		

ReTOOL Program Research Showcase
Friday, August 2, 2013

8:00am - 9:00am	Students Report to Display Posters HPNP Building, Atrium Area
9:00am – 11:00am	Judges May Begin Evaluating Posters (Students must be present by their poster at all times)
11:00am – 11:30am	Poster Removal
11:30am – 12:30pm	Lunch Served in the Atrium Area, HPNP Building
1:00pm – 2:15pm	Oral Presentations – HPNP Building Room G316 [10 mins presentation followed by 5 mins Q&A]
1:00pm – 1:10pm	Allika Williams
1:15pm - 1:25pm	Olivia Moline
1:30pm – 1:40pm	DeCoria McCauley
1:45pm – 2:00pm	Cassie Hobbs
2:05pm – 2:15pm	Michael Dumas
2:20pm – 2:30pm	Judges Deliberation
2:30pm	Award Presentation

Table 7. ReTOOL Students Research Projects		
Student	Research Project Title	Mentor
Kacy Flowers (2012)	“Participation of African American Men in Prostate Cancer Randomized Control Trials”	Dr. Philipp Dahm
Danielle Anderson (2012)	“Analysis of the Relative Expression of Various Genes in Prostate and Kidney Cell Lines”	Dr. Yehia Daaka
Stephanie Alexis (2012)	“The Use of Technology Among Minorities”	Dr. Henrietta Logan
Chloe Martin (2012)	“A Systematic Evaluation of the Prostate Cancer Interventions”	Dr. Folakemi Odedina
Tamieka Atkinson (2012)	“The Effect of G Protein-Coupled Receptor Kinase 5 (GRK5) on Migration in PC3, DU145, and LNCaP Prostate Cancer Cell Lines”	Dr. Zhongzhen Nie
Michael Dumas (2013)	Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials	Dr. Philipp Dahm
Cassie Hobbs (2013)	G Protein-Coupled Receptor Kinase 5 (GRK5) Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment	Dr. Yehia Daaka
DeCoria McCauley (2013)	The Readability of Patient Education Material Regarding Prostate Cancer	Dr. Nancy Hardt
Olivia Moline (2013)	Prostate Cancer Knowledge, Myths and Misconceptions Among Haitian Men	Dr. Folakemi Odedina
Allika Williams (2013)	Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of African American Men	Dr. Walter O’Dell
Allika Williams (2014)	Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of African American Men	Dr. Walter O’Dell

II.b. Continuous Career Development (Specific Aim 2)

The second specific aim for this program was to: *Provide continuous career development support for FAMU students for the purpose of creating opportunities and fostering careers focused on eliminating CaP disparities.* The task outlined to achieve this aim, extended mentorship and trainee tracking, was accomplished.

Task 4. Extended Mentorship and Trainee Tracking: The UF mentors continue to work with their respective mentees for continuous mentoring and to disseminate the scientific findings from their summer research projects as presentations at professional meetings and publications in peer-reviewed journals. Communications between mentors and mentees was facilitated by consistent e-mail correspondents and face-to-face meetings at FAMU or national conferences. In addition, the FAMU faculty (Dr. Reams) met with the students enrolled at FAMU at least once each semester (up to three times annually).

Baseline student surveys (Appendix X) and follow-up surveys (Appendix XI) were conducted to evaluate and continuously improve the ReTOOL program. In addition, a mentor follow-up survey (Appendix XII) was conducted for program feedback from the mentors. The program evaluation rating was on a scale of 1 to 5, with 5 being the best. The program ratings by students and mentors are provided in Tables 8 and 9 respectively. Some of the comments provided by the mentors and mentees are provided in Table 10.

Based on the feedback, two items were noted to have scores lower than 3.5. The first item was the preparatory classes. Only one student had a rating less than 3 for the preparatory classes. The student noted his/her preference in taking preparatory classes only in his/her area of focus rather than broad coverage of classes. The ReTOOL faculty however strongly felt that it was important for all students to be exposed to preparatory classes covering behavioral science, basic science and clinical science research. Thus, no change was made to the preparatory classes. The second item was on community outreach experiences. Two students had a rating of 3 or less for this item. To address this, we have strengthened the structure of the community outreach process. Student training was limited to the UFHCC Community Cancer Resource Center, a new Center at HealthStreet. The ReTOOL community outreach experiences were coordinated and supervised by Mr. Sam Gaddy, the Community Director for the UFHCC Cancer Resource Center.

Table 8. Students Ratings of ReTOOL Program (5 being the Best)		
Program Evaluation Items	2012 Average Ratings	2013 Average Ratings
The preparatory courses provided during the program.	4.25	3.40
The research training experiences provided by the program.	4.75	4.60
Your interactions with your mentor.	4.25	5.00
The quality of the mentoring experiences.	4.75	4.80
Overall satisfaction with the training program.	4.25	4.20
The quality of the training program.	4.75	4.20
My community outreach experiences.	3.75	3.20
The ability of the program to prepare me for career in the area of prostate cancer.	4.5	4.00
Communications with ReTOOL program mentor, director or staff.	4.5	3.80
The stipend provided for the ReTOOL program.	4.5	4.40

Table 9. Mentors Ratings of ReTOOL Program (5 being the Best)		
Program Evaluation Items	2012 Average Ratings	2013 Average Ratings
The preparatory courses provided to students during the program.	3.00	3.50
The research training experiences provided to the students.	4.50	4.25
Your interactions with your mentee(s).	4.50	4.75
The quality of the mentor-mentee relationship.	4.50	4.5
Overall satisfaction with your mentee(s).	4.00	4.25
The quality of the training program.	4.00	3.75
The ability of the program to prepare my mentee(s) for career in the area of prostate cancer.	3.50	4.00
Communications with my mentee(s).	2.50	4.00

Table 10. ReTOOL Program Mentors' and Mentees' Comments		
2012 ReTOOL Program Mentors' and Mentees' Comments		
	Mentees' Comments	Mentors' Comments
What did you like best about the ReTOOL program and why?	<p>"...going to work every day with my mentor. I liked it best because I was able to see first-hand how every day research looks like."</p> <p>"The research was of great quality and I learned a number of lab techniques that I can incorporate into my further education."</p> <p>"The best part about the program was my hands on research experience working with live cells and learning the techniques of the confocal microscope."</p>	<p>"Interaction with mentees."</p> <p>"Daily interaction with mentees."</p>
What did you like least about the ReTOOL program and why?	<p>"I wish I would have recorded the amount of community outreach hours I completed so that I could use them in different applications. I also wish that we (the students) would have received some type of graduation certificate from our training that we would be able to use in the future to demonstrate to future employers, graduate schools, and research labs that we have been trained as future leaders in the field and that our continued study of prostate cancer is something that is supported and condoned by the ReTOOL program."</p>	<p>"Too short and could be extended."</p>
How has the ReTOOL program impacted you?	<p>"..it has taught me what research really is. Also it has taught me that there is more than one way to do research"; "It has allowed me to see the need for research in Prostate cancer and the need for minorities doing this research." "Due to the quality research that I was able to conduct in the program, I have not only been able to attend prestigious research conferences but also have been awarded."</p>	<p>"Interaction with other scientists who were mentors."; "Rewarding opportunity to teach and mentor minority students in the field of prostate cancer."</p>
2013 ReTOOL Program Mentors' and Mentees' Comments		
	Mentees' Comments	Mentors' Comments
What did you like best about the ReTOOL	<p>"I loved the faculty-student match up. I was placed in a laboratory setting which coincided perfectly with my interests"</p>	<p>"Daily interaction with mentees"</p>

program and why?	<p>“I liked that there were 5 of us and the bonds we made. If I had went somewhere by myself I don’t know if I would have enjoyed it as much. I also loved the mentor I was matched with. It was spot on! The stipend was exceptional as well. As a student from out of state, I was able to comfortably pay for my transportation, housing, and living expenses”</p>	<p>“Going to the research presentations at the end.”</p> <p>“I got exposure to a very different mind-set about college and for ways for which people (my mentee) are able to apply their interests and opportunities for cancer care and outreach. I imagine that all the mentees got at least some benefit from my different ways of achieving cancer care”</p>
What did you like least about the ReTOOL program and why?	<p>“I wish our ReTOOL interaction with the HealthStreet Community Outreach was better coordinated. Not much time was spent doing actual community outreach.”</p>	<p>“Students should have more formal classroom education during their stay at UF”</p>
How has the ReTOOL program impacted you?	<p>“The ReTOOL Program has gotten me closer to doing what I love (making people happy, saving lives, and giving people hope) than I have ever been before. It has given me experiences that will help me strive toward making groundbreaking research in oncology.”</p> <p>“ReTOOL has definitely opened my eyes to not only a world of research but also a world where health disparities still exist. I was completely unaware of the disparities that existed between African Americans and Caucasians as it relates to prostate cancer, before the program. I am definitely more interested in prostate cancer research than I was before I entered the program.”</p> <p>“ReTOOL impacted my career by showing me that there is more to research than laboratory work. I never took into account public health. I like that my mentor is a physician that is heavily involved in the community and research that affects the public. She does not work in a lab or have a Ph.D. yet she still conducts research.”</p>	<p>“Access to outstanding students.”</p>
Follow-up Annual Evaluation: 2015 ReTOOL Program Mentees’ Comments		
	Mentees’ Comments	
What did you like best about the ReTOOL program and why?	<p>“The best part of the program was the hands on training and professional development provided by the program and Dr. Daaka.”</p> <p>“I loved the size of the program. Since there were only 5 students we were able to form solid relationships with ReTOOL staff.”</p> <p>I loved networking at UF. I used sciencedirect.com to find prostate cancer articles written by staff on campus, then I could email them if I had any questions or arrange a date to meet up. I</p>	

	<p>also enjoyed working at HealthStreet with Mr. Gaddy as well as touring health conferences to collect my own research data. I loved to be able to choose my own project and mentor.</p> <p>I would have liked to get more insight about the process of applying to medical school from any previous applicants that were available and I would also have like the presentation given on GRE and MCAT to have been in greater detail. The MCAT exam is very different than any examinations an undergraduate has ever experienced and it is very important to hear from a person who has taken the exam and had some success with it. I also did not like that the odd numbered person in the group was stuck in a single room rather than sharing a three bedroom apartment with other causing a significant pay difference after expenses.</p> <p>The exposure was the best part. I really learned so much from my mentor and this program has laid a new foundation in my life which has given me a platform to build upon.</p>
What did you like least about the ReTOOL program and why?	<p>“Cannot think of anything, I liked everything about it.”</p> <p>The only complaint I had about the ReTOOL program is the length of time that the program lasted. It took the whole summer to complete which I wish could have been shorter, but because of the many activities and the training of the mentees the length was understandable.</p> <p>I would have enjoyed having more community outreach experiences. Fortunately, I was able to interact with the community because of my mentor.</p>
How has the ReTOOL program impacted you?	<p>“The ReTOOL Program has greatly impacted my career. The program sparked an interest in health disparities and taught me the importance of behavioral science. I absolutely love and look up to my mentor. She has been of much help to me in the process of applying to medical school. Lastly, ReTOOL gave me the courage to apply to more internship. This past summer I interned at Washington University in St. Louis.</p> <p>“The ReTOOL program has shown me how vital research is to the medical field and how necessary it is for minorities to participate and conduct disparities research on various communities that are in great need. I hope to get masters in biomedical or clinical sciences along with a medical doctorate in the future.”</p> <p>“This program showed me that I’m capable of critical thinking and being successful in a lab based environment. It has also showed me the disparities with health care as it relates to the African American culture.”</p> <p>“It has prepared me for graduate school and has refined my research interests.”</p> <p>This program was an incredible experience that I can never forget. The amount of information that I learned in just three months about prostate cancer and the research world was above my expectations. The growth that I have made is without a doubt beneficial to me progressing towards the next chapter in my life.</p>

Based on the follow-up 2015 survey, the current status of the ReTOOL alumni is summarized in Table 11.

Table 11. Status of ReTOOL Alumni		
Trainee Name	Cohort Year	Status
Michael Dumas	2013	Senior at FAMU
Cassie Hobbs	2013	Senior at FAMU; Currently has been admitted to medical school at Howard University and on wait list admission for University of Florida
Decoria McCauley	2013	Senior at FAMU; applied for the UF-FAMU Advanced ReTOOL Program.
Olivia Moline	2013	Senior at FAMU; has been admitted to the Florida State University bridge program for medical school
Allika Williams	2013, 2014	Senior at FAMU; applied for the UF-FAMU Advanced ReTOOL Program.
Stephanie Alexis	2012	Junior at FAMU
Danielle Anderson	2012	Completed Masters Degree at FAMU; Chemistry Teacher/ Adjunct Faculty Lab Instructor
Tamieka Atkinson	2012	Awaiting decision for medical school admission
Kacy Flowers	2012	Senior at FAMU
Chloe Martin	2012	Doctoral (PhD) student at Howard University

We will continue to track trainees through annual survey.

III. KEY RESEARCH ACCOMPLISHMENTS

The key research accomplishments are summarized for each of the specific aims below.

IIIa. Accomplishments for Specific Aim 1.

Specific Aim 1 was to “*Support the research training of five FAMU undergraduate students annually for two years.*” The expected outcomes and key research accomplishments for this aim are summarized in Table 12 below.

Table 12 . Expected Outcomes and Key Research Accomplishments	
Expected Outcomes	Key Research Accomplishments
Establishment of a research training program focused on CaP	The ReTOOL program was successfully established at UF and has received new funding from DOD. The applicant pool for students has been expanded to include Bethune-Cookman University, another HBCU in Florida.
10 FAMU students who are committed to eliminating CaP disparities through research.	10 FAMU students were successfully trained through the ReTOOL program. All the students expressed primary interest in attending medical school and/or graduate program with the goal of addressing health disparities through research or medical care services.
10 completed projects by FAMU students under the supervision of UF scientists	10 CaP projects were completed by the students.
Minimum of five peer-reviewed abstracts presented at national/international conferences	12 peer-reviewed abstracts were presented/co-presented by students at national/international conferences.
Minimum of five peer-reviewed publications	Two peer-reviewed publications have been published and three are in progress for submission to peer-reviewed journals.

One community report annually to disseminate findings of trainees to the lay public	Students disseminated their research results at two annual health events: the <i>Africa American Men's Health Summit</i> in Orlando and the <i>Man Up for Health</i> program in Jacksonville, Florida. In addition, the students presented research progress to CaP survivors during the Alachua County Prostate Cancer Alliance meetings.
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III.b. Accomplishments for Specific Aim 2.

Specific Aim 2 was to “*Provide continuous career development support for 10 FAMU students for the purpose of creating opportunities and fostering careers focused on eliminating CaP disparities.*” The expected outcome for this aim was a pipeline of future minority students that will lead to a competitive pool of underrepresented minorities poised to become the next generation of CaP clinicians and/or scientists. The key accomplishment was a cohort of ten underrepresented minorities who received didactic and experiential training in CaP research. The status of the students is summarized in Table 10 above. The ReTOOL program director and mentors continue to provide career development support for the 10 students. Through an NIH/National Cancer Institute award, we have also established an Advanced ReTOOL program, which will provide additional summer training experiences and post-baccalaureate opportunities to effectively bridge ReTOOL students to a graduate program or medical school.

IV. REPORTABLE OUTCOMES

The reportable outcomes are summarized for publications, presentations, grants funded and awards below. The ReTOOL students’ and mentors are in bold font.

IVa. Publications

Peer-Reviewed Publications

1. Chakraborty PK, Zhang Y, Coomes AS, Kim WJ, Stupay R, Lynch LD, **Atkinson T**, Kim JI, Nie Z, **Daaka Y**. G protein-coupled receptor kinase GRK5 phosphorylates moesin and regulates metastasis in prostate cancer. *Cancer Res.* 2014 Jul 1;74(13):3489-500. doi: 10.1158/0008-5472.CAN-13-2708. Epub 2014 Apr 22. PMID: 24755472
2. **Odedina FT**, Oluwayemisi AO, Pressey S, Gaddy S, Egensteiner E, Ojewale EO, **Moline OM**, **Martin CM**. Development and assessment of an evidence-based prostate cancer intervention programme for black men: the W.O.R.D. on prostate cancer video. *Ecancermedalscience.* 2014 Aug 28;8:460. doi: 10.3332/ecancer.2014.460. eCollection 2014. Review. PMID: 25228916

Publications In Progress

1. **Moline OM**, Awoyemi OO, , Ojewale EO, **Martin CM**, Pressey S, **Odedina FT**. Prostate Cancer Knowledge, Myths and Misconceptions Among Haitian Men. In Progress for submission to the *Journal of Immigrant and Minority Health*.
2. **Martin CM**, Ojewale EO, Awoyemi OO, **Moline OM**, Pressey SA, and Odedina FT. Prostate Cancer Interventions for Black Men: A Status Report. In Progress for submission to the *Journal of Health Communication*.
3. Pugh J, **Flowers K**, Neuberger M, **Odedina FT**, Gilbert S and **Dahm P**. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. In Progress for submission to the *Journal of the*

IVb. Presentations / Published Abstracts

National/International Scientific Conferences

1. **Martin CM**, Pressey SA, and **Odedina FT**. A Systematic Evaluation of the Prostate Cancer Interventions for Black Men. Poster presented at the 2nd Biennial Science of Global Prostate Cancer Disparities in Black Men Conference, November 2012. Nassau, Bahamas.
2. Pugh J, **Flowers K**, Neuberger M, **Odedina FT**, Gilbert S and **Dahm P**. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. 60th Annual James C. Kimbrough Urological Seminar, Society of Government Service Urologist, January 21, 2013, Kimbrough in Honolulu, HI.
3. **Hobbs C**. G Protein-Coupled Receptor Kinase 5 (GRK5) Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment. Poster presentation at the AACR Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. December 6-9, 2013; Atlanta, GA.
4. Pugh J, **Flowers K**, Neuberger M, **Odedina FT**, Gilbert S and **Dahm P**. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. Southeastern Section of the American Urological Association, March 14, 2013, Williamsburg, VA.
5. Pugh J, **Flowers K**, Neuberger M, **Odedina FT**, Gilbert S and **Dahm P**. Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. American Urological Association, May 4, 2013, San Diego, CA.
6. **McCauley D**. The Readability of Patient Education Material Regarding Prostate Cancer. Poster presentation at the AACR Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. December 6-9, 2013; Atlanta, GA.
7. **Moline O** and **Odedina FT**. Prostate Cancer Knowledge, Myths and Misconceptions Among Haitian Men. Poster presentation at the AACR Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. December 6-9, 2013; Atlanta, GA.
8. **Moline O**, **Odedina F.**, Ojewale E., Pressey S. Prostate Cancer Knowledge, Myths, and Misconceptions Among Haitian Men. International Cancer Education Conference (ICEC) 2014. October 22 – 25, 2014; Clearwater, Florida
9. **Hobbs C**, **Daaka Y**. G Protein-Coupled Receptor Kinase 5 (GRK5) Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment. International Cancer Education Conference (ICEC) 2014. October 22 – 25, 2014; Clearwater, Florida
10. **Williams A**, **O'Dell W**. Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of African American Men. International Cancer Education Conference (ICEC) 2014. October 22 – 25, 2014; Clearwater, Florida.
11. **Martin C**. The Relationship Between Fear of Recurrence, Optimism and Coping in African-American Breast Cancer Survivors. Minority Health and Health Disparities Grantee Conference, December 1-3, 2014
12. **Martin C**. The Relationship Between Fear of Recurrence, Optimism and Coping in African-American Breast Cancer Survivors. American Psychosomatic Annual Meeting March 23, 2015

Institutional and Student Conferences/Workshops

1. **Martin, CM**. Prostate Cancer Interventions for Black Men. Oral discussion at the American Cancer Society Man-to-Man group, July 2012. Gainesville, Florida.
2. **Martin, CM**. A Systematic Evaluation of the Prostate Cancer Interventions for Black Men. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding

Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Folakemi Odedina).

3. **Martin, CM.** A Systematic Evaluation of the Prostate Cancer Interventions for Black Men. Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
4. **Flowers, K.** "Participation of African American Men in Prostate Cancer Randomized Control Trials". Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Philipp Dahm).
5. **Flowers, K.** "Participation of African American Men in Prostate Cancer Randomized Control Trials". Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
6. **Kacy Flowers, Pugh J, Dahm P.** The Participation of Black Men in Randomized Controlled Trials of Prostate Cancer. Oral presentation, 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS), San Jose, California, USA, November 9, 2012.
7. **Anderson, D.** "Analysis of the Relative Expression of Various Genes in Prostate and Kidney Cell Lines". Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Yehia Daaka).
8. **Anderson, D.** "Analysis of the Relative Expression of Various Genes in Prostate and Kidney Cell Lines". Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
9. **Alexis, S.** "The Use of Technology Among Minorities". Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Henrietta Logan).
10. **Alexis, S.** "The Use of Technology Among Minorities". Oral presentation at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
11. **Alexis, S.** "The Use of Technology Among Minorities". Oral presentation at the Florida Undergraduate Research Conference, February 22-23, 2013. Gainesville, Florida.
12. **Atkinson, T.** "The Effect of G Protein-Coupled Receptor Kinase 5 (GRK5) on Migration in PC3, DU145, and LNCaP Prostate Cancer Cell Lines". Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, July 27, 2012. Gainesville, Florida (Mentor: Dr. Zhongzhen Nie).
13. **Atkinson, T.** "The Effect of G Protein-Coupled Receptor Kinase 5 (GRK5) on Migration in PC3, DU145, and LNCaP Prostate Cancer Cell Lines". Poster presented at the 2012 Graduate Feeder Student Research Conference at Florida A&M University, September 2012. Tallahassee, Florida.
14. **Dumas M.** Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, August 2, 2013. Gainesville, Florida (Mentor: Dr. Philipp Dahm).
15. **Dumas M.** Enrollment of Black Men in Prostate Cancer Randomized Controlled Trials. Poster presented at the 2013 Graduate Feeder Student Research Conference at Florida A&M University, September 2013. Tallahassee, Florida.
16. **Hobbs C.** G Protein-Coupled Receptor Kinase 5 (GRK5) Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment. Poster presentation at the 2013 Annual Biomedical Research Conference for Minority Students. November 13-16, 2013; Nashville, Tennessee.
17. **Hobbs C.** G Protein-Coupled Receptor Kinase 5 (GRK5) Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, August 2, 2013. Gainesville, Florida (Mentor: Dr. Yehia Daaka).

18. **Hobbs C.** G Protein-Coupled Receptor Kinase 5 (GRK5) Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment. Poster presented at the 2013 Graduate Feeder Student Research Conference at Florida A&M University, September 2013. Tallahassee, Florida.
19. **McCauley D.** The Readability of Patient Education Material Regarding Prostate Cancer. Poster Presentation at the 2013 Annual Biomedical Research Conference for Minority Students. November 13-16, 2013; Nashville, Tennessee.
20. **McCauley D.** The Readability of Patient Education Material Regarding Prostate Cancer. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, August 2, 2013. Gainesville, Florida (Mentor: Dr. Nancy Hardt).
21. **McCauley D.** The Readability of Patient Education Material Regarding Prostate Cancer. Poster presented at the 2013 Graduate Feeder Student Research Conference at Florida A&M University, September 2013. Tallahassee, Florida.
22. **Moline O.** Prostate Cancer Knowledge, Myths and Misconceptions Among Haitian Men. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, August 2, 2013. Gainesville, Florida (Mentor: Dr. Folakemi Odedina).
23. **Moline, O.** Prostate Cancer Knowledge, Myths and Misconceptions Among Haitian Men. Poster presented at the 2013 Graduate Feeder Student Research Conference at Florida A&M University, September 2013. Tallahassee, Florida.
24. **Williams A, O'Dell W.** Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of African American Men. Oral presentation at the Florida – Georgia Louis Stokes Alliance for Minority Participation (FGLSAMP), February 13 – 15 2014. Jacksonville, Florida.
25. **Williams A.** Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of African American Men. Oral and poster presented at the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders: Summer Research Training Program at The University of Florida, August 2013. Gainesville, Florida (Mentor: Dr. Walter O'Dell).
26. **Williams A.** Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of African American Men. Poster presented at the 2013 Graduate Feeder Student Research Conference at Florida A&M University, September 2013. Tallahassee, Florida.
27. **Williams A.** Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of Black Men". UF-FAMU. Florida-Georgia Louis Stokes Alliance For Minority Participation (FGLSAMP) in Science Technology Engineering & Mathematics (STEM) Conference, February 13 – 15 2014. Jacksonville, Florida.
28. **Williams A.** Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of Black Men". UF-FAMU. The Florida A&M University 2014 Honors Conference, April 2014. Tallahassee, Florida.
29. **Moline O., Odedina FT., Ojewale E., Pressey S.** Prostate Cancer Knowledge, Myths, and Misconceptions Among Haitian Men. Emerging Researchers National Conference. February 20 - 22, 2014. Washington, DC.
30. **Moline O., Odedina FT., Ojewale E., Pressey S.** Prostate Cancer Knowledge, Myths, and Misconceptions Among Haitian Men. Emory STEM Symposium. March 26 – 28 2014, Atlanta, Georgia.
31. **Moline O., Odedina FT., Ojewale E., Pressey S.** Prostate Cancer Knowledge, Myths, and Misconceptions Among Haitian Men. Georgia Louis Stokes Alliance for Minority Participation (FGLSAMP), February 13 – 15 2014. Jacksonville, Florida. (3rd place winner)
32. **Moline O, Odedina FT., Ojewale E., Pressey S.** Prostate Cancer Knowledge, Myths, and Misconceptions Among Haitian Men. Annual Biomedical Conference for Minority Students. November 12 – 15 2014, San Antonio, Texas

IVc. Funded Extramural Grants based on the ReTOOL Program

P20 CA293909 (PI: Odedina)

10/01/14 – 09/30/19

1.20 CM

NIH / National Cancer Institute

Florida Minority Cancer Research & Training Center: Feasibility Studies

The primary objective is to develop a *Florida Minority Cancer Research & Training (MiCaRT) Center* that will expand our outstanding cancer research and training opportunities for underrepresented minority (URM) faculty and students at University of Florida and Florida A&M University, and ultimately grow the number of URM scientists and clinical investigators in biomedical research. The award includes the Advanced ReTOOL program

James Esther King Biomedical Research Grant (Role – CoI {Odedina}; PI: Betsy Shenkman)

07/1/2014 – 06/30/2017 0.06 CM

Florida Department of Health

One Florida Cancer Control Network

The purpose of the project is to enhance the infrastructure available to conduct tobacco-related cancer and CVD pragmatic clinical trials in real world, primary care settings and to increase physician capacity to follow evidence-based guidelines for tobacco-related risk factor screening and brief interventions. The award includes a Minority Education Program (MEP) for underrepresented minority investigators and students.

W81XWH-13-PCRP-STPA (Role - PI) 10/01/14– 9/30/16 0.84 CM

Department of Defense Prostate Cancer Research Program (PCRP)

The Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL)

Program: Creating Opportunities for Minority HBCU Students.

The primary objective is to continue to sustain the Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program, an independent, competitive CaP research training program that creates opportunities and promotes careers in CaP research for minority students.

IVd. Honors, Awards, and Recognition

Michael Dumas

1. 2nd Place Award at the FAMU Student Research Forum, Tallahassee, Florida. October 16, 2013.
2. 3rd Place Award for the Ernest Everett Just Undergraduate Award for Excellence in Scientific Research. Columbia, South Carolina. February 28, 2014.

Cassie Hobbs

1. 1st Place Award at the FAMU Student Research Forum, Tallahassee, Florida. October 16, 2013.
2. 1st Place Award for the Ernest Everett Just Undergraduate Award for Excellence in Scientific Research. Columbia, South Carolina. February 28, 2014.
3. Annual Biomedical Research Conference for Minority Students Award in Immunology

DeCoria McCauley

1. 3rd Place Award at the FAMU Student Research Forum, Tallahassee, Florida. October 16, 2013.
2. 3rd Place Award at the Annual Biomedical Research Conference for Minority Students conference held in Nashville, TN. November 13-16, 2013.
3. President of the Rattler Association of Chemists (RAC), Tallahassee, FL.
4. Inducted into the Alpha Kappa Mu Honor Society Spring 2014, Tallahassee, FL.
5. Ernest Everett Just Excellence in Undergraduate Research Award (Given by Medical University of South Carolina)
6. Annual Biomedical Research Conference for Minority Students Award in Immunology

Allika Williams

1. President of the FAMU A.N.I.M.E (Advancing New and Innovative Multicultural Experience) Club, Tallahassee, FL.
2. Historian and Public Liaison for the FAMU BSO Art Club, Tallahassee, FL.
3. FGLSAMP in Science Technology Engineering & Mathematics (STEM) Award, Tallahassee, FL.
4. Florida-Georgia Louis Stokes Alliance For Minority Participation (FGLSAMP) in Science Technology Engineering & Mathematics (STEM) 2nd Place Oral Presentation Award for Life Sciences; February 2014

V. CONCLUSIONS

The primary objective of the UF-FAMU ReTOOL Program was to develop, promote and sustain an independent, competitive CaP research training program that creates opportunities and promotes careers in CaP research for minority HBCU students. Our ultimate goal was to grow the number of underrepresented minority scientists and clinical investigators in higher education and academic leadership. The ReTOOL program was proposed in response to the need for a cadre of racially and ethnically diverse, well-trained cancer scientists in Florida who can: (1) increase the capacity for scientific research focused on underserved populations; (2) address cultural appropriateness of research conceptualization, design and implementation; (3) provide culturally appropriate cancer prevention, screening and treatment strategies to diverse populations; and (4) effectively and respectfully deliver interventions to eliminate cancer disparities.¹⁰⁻¹² *We addressed the following barriers that have been documented in the literature for underrepresented minority scientists to create opportunities and promote careers in cancer research:* lack of committed role models;⁴ inadequate mentoring;⁵ insufficient preparation;⁴ low expectations;⁴ and lack of familiarity with scientific culture and idioms.⁴ These barriers were addressed through didactic training, collaborative research, mentorship, supervised independent reading, mentored grant writing, attendance and participation in conferences, mentored lab-based and community-based research, and career development.

Overall, we achieved the expected outcomes outlined for the two specific aims proposed for this grant award. There were 12 published scientific abstracts; two peer-reviewed publication; three publications in progress; three grant awards based on the ReTOOL program, and 15 student awards. The curriculum vitae (CVs) of ReTOOL students are provided in Appendix XIII.

VI. REFERENCES

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11. Norris KC, Agodoa LY (2005). The need for health professionals and scientists from underrepresented minority and disadvantaged communities. *Ethn Dis* 15:1–2.
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APPENDIX LIST

Appendix I	ReTOOL Program Information Brochures and Flyers
Appendix II	ReTOOL Program Application Materials
Appendix III	ReTOOL Student Interview Evaluation Form
Appendix IV	ReTOOL Program Orientation Packet
Appendix V	Pictorial Summary of Student Activities
Appendix VI	Program Agenda for the 2013 ReTOOL Welcome Reception
Appendix VII	Announcement Flier for the ReTOOL Annual Research Showcase
Appendix VIII	Copy of Plaque for the 2013 ReTOOL Program
Appendix IX	Students Photo Voice Assignments for the 2013 ReTOOL Program
Appendix X	ReTOOL Program Student Baseline Survey
Appendix XI	ReTOOL Program Student Follow-up Survey
Appendix XII	ReTOOL Program Mentor Follow-up Survey
Appendix XIII	ReTOOL Trainees CVs

APPENDIX I
ReTOOL Program Information Brochures and Flyers



ATTENTION **PHARMACY**, **NURSING**, **ALLIED HEALTH**, **BIOLOGY**,
CHEMISTRY, **PSYCHOLOGY**, & **SOCIOLOGY** STUDENTS!

UF

GOT PLANS FOR SUMMER 2013?

UNIVERSITY of
FWRIDA



Think the ReTOOL Program!
Paid Summer Cancer Research
Training at UF



Why the ReTOOL Program?

- Experience the outstanding *Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL)* Program.
- Hands-on summer research training experience at the University of Florida.
- Interact with renowned prostate cancer scientists.
- Career development opportunities.
- Up to \$6,000 training support (for stipend and living expenses).

For More Information, Contact Dr. Renee Reams at
850-561-2672 or renee.reams@famu.edu.

The ReTOOL Program is a Prostate Cancer Research Training Program for FAMU
undergraduate students at the University of Florida

R. Renee Reams, PhD
Faculty Advisor (FAMU)

Folakemi T. Odedina, PhD
Principal Investigator (UF)

APPENDIX II
ReTOOL Program Application Materials

UNIVERSITY OF FLORIDA and FLORIDA A&M UNIVERSITY
Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders

RETOOL PROGRAM APPLICATION
For
2013 Summer Research Training Program

PLEASE SUBMIT ALL APPLICATION MATERIALS TO:

R. Renee Reams, PhD
Room 127 Dyson Bldg
College of Pharmacy & Pharmaceutical Sciences
Florida A& M University
1520 Martin Luther King Jr. Blvd
Tallahassee, FL 32307
Email: renee.reams@famuedu
Ph: 850-561-2672

Reference “ReTOOL Application” in the subject when submitting via email.

Application Deadline
January 11, 2013

Note that there are FIVE (5) SECTIONS on this application. All sections MUST be completed/addressed prior to the submission of your application.

If you have any questions while completing this application, contact:

Shannon Pressey, MS Research
Programs Coordinator
Pharmaceutical Outcomes and Policy
College of Pharmacy
University of Florida
Gainesville, FL 32610
Office: 727-394-6162
Email: spressey@cop.ufl.edu

All application materials are to be sent in one (1) email to renee.reams@famuedu by the due date. Incomplete applications WILL BE disqualified.

SECTION 1. BACKGROUND INFORMATION ON STUDENT APPLICANT

Name: _____ Date: _____
(Last) (First) (Middle)

Local Address: _____
(City) (State) (Zip Code)

Telephone Number: (____) _____ E-mail Address: _____

Cell Number: (____) _____

Permanent Address: _____

(City) (State) (Zip Code)

Telephone Number: (____) _____ Date of Birth: _____ Sex: F ____ M ____

Major: _____ Current Cumulative GPA (out of 4.0): _____

Department: _____ College: _____

Academic Year (select one): Freshman ____ Sophomore ____ Junior ____ Senior ____

Anticipated Graduation Date: _____

Citizenship (check one)¹: Citizen _____ Permanent Resident _____ Other _____

Race (check one): Black or African American ____ American Indian or Alaska Native ____

Asian (e.g. Indian, Japanese, Chinese) ____ White/ Caucasian ____

Other (please specify) _____

Are you Hispanic, Latino or of Spanish origin? (check one): Yes ____ No ____

SECTION 2: RESEARCH INTEREST

Area of Research Interest (check one):

Basic Sciences _____

Biomedical Sciences _____

Clinical Sciences _____

¹ Only US Citizens and Permanent Residents are eligible for the ReTOOL Training Program.

SECTION 3. GENERAL ASSESSMENT

In order to make a valid assessment of your individual needs, it is important that you provide frank and honest responses and comments to the following questions. Answer all questions candidly.

1. For the areas listed, indicate whether you feel your abilities are strong (S), average (A), or weak (W).

Writing _____

Math _____

Science _____

Reading _____

2. Summarize the extent of your computer skills below (provide specific examples):

3. Are you comfortable interacting with faculty (indicate Yes or No)? _____

4. Are you comfortable interacting with Fellow students (indicate Yes or No)? _____

5. How would you rate your public speaking skills (indicate whether weak, average, or strong)? _____

6. For the areas listed, indicate whether your abilities are strong (S), average (A), or weak (W).

Getting organized Time management _____

Listening skills Research skills _____

Note-taking Test anxiety _____

Memory Test taking _____

7. Have you ever conducted any research? _____ If yes, briefly describe below:

8. Do you know what is involved in a literature review? If yes, describe your perception of literature review:

9. Do you plan to attend graduate school? _____ If so, what graduate major are you considering?

10. Do you plan to attend medical school? _____

11. Summarize your general strengths and weaknesses below:

SECTION 4. ADDITIONAL REQUIREMENTS FOR STUDENT APPLICANTS (Please attach):

- A. Statement of Purpose (one page): This should include a description of your career goals and objectives, personal attributes and motivations. (Must be Typewritten)
- B. Three (3) letters of recommendation from faculty members who taught you at Florida A&M University and are familiar with your academic potential.
- C. Unofficial copy of your college transcript.
- D. A one-page Self assessment on academic skills, study skills, and time management. (Must be Typewritten)
- E. A one-page description of your Career Interest in Prostate Cancer Research. (Must be Typewritten)

SECTION 5. CERTIFICATION

My signature below indicates that the information given on this application is true and complete to the best of my knowledge.

(Signature)

(Date)

DO NOT WRITE IN THIS SPACE
FILE INFORMATION

Date Received: _____

Date Processed: _____

Date Accepted: _____

Eligibility: _____

Interview Score: _____

Provide any other comments/questions you have about the ReTOOL Training Program below:

ReTOOL Program Application Submission Checklist
(Attach to application)

_____	Completed Application Form
_____	Statement of Purpose
_____	Three (3) Sealed Letters of Recommendation
_____	Unofficial College Transcript
_____	Completed Self Assessment Form
_____	Prostate Cancer Career Interest Statement

SUBMIT ALL APPLICATION MATERIALS TO:

R. Renee Reams, PhD
Room 127 Dyson Bldg
College of Pharmacy & Pharmaceutical Sciences
Florida A& M University
1520 Martin Luther King Jr. Blvd
Tallahassee, FL 32307
Email: renee.reams@famu.edu
Ph: 850-561-2672

Please reference “ReTOOL Application” in the subject line when submitting via email.

Deadline: January 11, 2013

ReTOOL Student Interview Evaluation Form

The Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program: Creating Opportunities for Minority HBCU Students

Student Interview Evaluation Form

Student Name: _____ Interviewer: _____

Research Area: _____ GPA: _____

	<u>Strong</u>		<u>Good</u>		<u>Needs Improvement</u>
<u>Written Statements</u>					
Personal Statement	5	4	3	2	1
Self Assessment	5	4	3	2	1
Prostate Cancer Interest Statement	5	4	3	2	1
<u>Interview</u>					
Communication: Candidate expresses thoughts clearly in writing and verbally; projects positive manner in all forms of communication; responds diplomatically.	5	4	3	2	1
Problem Solving/ Decision Making: Candidate demonstrates ability to make decisions; involves others as appropriate; demonstrates ability to resolve issues.	5	4	3	2	1
Building Trust: Candidate demonstrates ability to keep commitments and meet deadlines; exhibits integrity and honesty with colleagues and customers; demonstrates ability to be open to views of others; takes responsibility for own actions in a conflict resolution.	5	4	3	2	1
Conflict Resolution: Candidate demonstrates ability to resolve conflict with person directly involved; demonstrates active listening skills; focuses on conflict resolution, not blame.	5	4	3	2	1
Work Experience Rating: Does candidate possess experience directly related to the position?	5	4	3	2	1

College of Pharmacy
Department of Pharmaceutical Outcomes & Policy

HPNP Building, Room 3334
101 South Newell Drive
PO Box 100496
Gainesville, FL 32610-0496
Phone: (352) 273-6268
Fax: (352) 273-6270

**UNIVERSITY OF FLORIDA and FLORIDA A&M UNIVERSITY
Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders
(ReTOOL) Program**

Dear Applicant:

Congratulations! We are delighted to inform you that you have been selected to participate as a student mentee in the UF-FAMU Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program. The training program will begin on May 10th and end on August 3rd, 2013. **All ReTOOL students are expected to arrive on UF campus on May 10th, 2013.** I have attached an orientation package for the ReTOOL program for your information and action. Carefully review the information in this package, sign the orientation acknowledgement form (on last page), and submit the signed form to Shannon Pressey by Friday, May 10th, 2013 or upon your arrival on campus.

I look forward to working with you to foster your career training in prostate cancer. If you have any questions prior to meeting you on May 3rd, feel free to call me at 727-394-6162 or send an email to spressey@cop.ufl.edu.

Sincerely,



Shannon Pressey, MS
Program Manager – UF-FAMU ReTOOL Training Program
Pharmaceutical Outcomes and Policy
College of Pharmacy
University of Florida
Gainesville, FL 32610

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program:

Orientation Package

ReTOOL Program Background:

The long-term goal of the ReTOOL program is to increase the pool of minority prostate cancer researchers in Florida. The primary objective is to develop, promote and sustain an independent, competitive prostate cancer research training program that creates opportunities and promotes careers in prostate cancer research for minority HBCU students at Florida A&M University.

The Florida ReTOOL program is funded by the Department of Defense (DoD) office of the Congressionally Directed Medical Research Programs (CDMRP).

ReTOOL Program Administration:

Principal Investigator & Program Director Folakemi T. Odedina, PhD Professor, Pharmaceutical Outcomes and Policy, College of Pharmacy Department of Radiation Oncology, College of Medicine Assoc. Director for Health Disparities, Shands Cancer Center University of Florida Telephone: 727-394-6089 Facsimile: 727-394-6014 Email: fodedina@cop.ufl.edu	Faculty Advisor R. Renee Reams, PhD Professor Of Biochemistry Section Chair, Medicinal Chemistry Section College of Pharmacy & Pharmaceutical Sciences Florida A&M University Tallahassee, Florida 32307 Telephone: 850-561-2672 Facsimile: 850-599-3731 Email: reneereams.famu@gmail.com renee.reams@famuedu
Program Manager Shannon Pressey, MS Research Programs Coordinator Pharmaceutical Outcomes and Policy College of Pharmacy University of Florida Gainesville, FL 32610 Telephone: 727-394-6162 Facsimile: 727-394-6014 Email: spressey@cop.ufl.edu	

ReTOOL Program Policies & Procedures

Attendance:

Students are expected to be present in their training labs, on time, each day. Please work directly with your mentor to establish a schedule for your attendance. If you are unable to attend work due to illness, you should call your mentor as soon as possible and email Ms. Shannon Pressey (spressey@cop.ufl.edu). ReTOOL summer break is from July 1st – 5th, 2013 in observance of the 4th of July holiday.

Dress Code:

Please be mindful that some trainees will be working in environments that may have specific safety regulations as it relates to proper dress code. **Make sure you get the official safety regulations from your mentor.** You are required to adhere to the dress code set by your mentor. In addition, note the policies below:

- You may wear walking (“Bermuda”)-type shorts but not ultra-short athletic (running) shorts or unusually tight shorts (i.e., “Spandex”).
- For women, “tube tops,” “halter tops,” deep-set necklines, and very short, tight skirts should not be worn to class or work. Shirts and blouses must extend to the waistband. Bare midriffs are not acceptable. Please be conscious of the “fit” of your clothes when you are in different positions, e.g., standing vs. leaning over.
- For men, a polo shirt with a collar is preferred.

Please be modest and remain professional at all times. In the laboratories, OSHA regulations prohibit open-toed shoes. For purposes of safety, you must wear closed-toe shoes.

When you participate in any clinical activity (e.g., shadowing, clerkships) and engage in patient care, you must dress in a professional manner. Men should wear a shirt, tie, long pants, belt, socks, and hard-soled shoes (i.e., no tennis shoes). Women should wear comparable attire.

Conduct:

Students are expected to be professional in their dealings with patients, colleagues, faculty and staff and to exhibit caring and compassionate attitudes. Professional behavior is defined as behavior appropriate to the circumstance. ATTITUDES OR BEHAVIORS INCONSISTENT WITH COMPASSIONATE CARE; REFUSAL BY, OR INABILITY OF, THE STUDENT TO PARTICIPATE CONSTRUCTIVELY IN LEARNING; DEROGATORY ATTITUDES OR INAPPROPRIATE BEHAVIORS DIRECTED AT PATIENTS, PEERS, FACULTY OR STAFF; MISUSE OF WRITTEN OR ELECTRONIC PATIENT RECORDS (I.E. ACCESSION OF PATIENT INFORMATION WITHOUT VALID REASON); SUBSTANCE ABUSE; OR OTHER UNPROFESSIONAL CONDUCT CAN BE GROUNDS FOR DISMISSAL.

While the following policies have been highlighted please refer to UF’s Student Code of Conduct for additional policies that you must adhere to: <http://www.dso.ufl.edu/sccr/honorcodes/conductcode.php>.

Housing

Female ReTOOL trainees will be residing in Diamond Village. Emory Gardner Diamond Memorial Village was built to house married students and their families who were displaced when Flavel I and II were closed in August 1965. Emory Diamond was President of the University of Florida Student Body (1950-51), Clerk of the Honor Court (1949-50), and Mayor of Flavel Village II (1949).

Facilities:

- 2-story masonry with brick veneer buildings
- Commons building with a manager's office, laundry, recreation/study room
- Playgrounds
- 1-bedroom apartment square footage: 522
- 2-bedroom apartment square footage: 714

Major renovations were completed in 2005 which upgraded this facility to central air and heat as well as modernized the sprinkler and fire alarm systems. The cost of living for rent will be taken from each student's stipend up front; however utilities will be billed on a monthly basis. Parking decals are available on campus at a rate of \$35 per month. Note that decals are needed to park your vehicles at Diamond Village however you are encouraged to utilize public transportation via UF to navigate throughout campus. Decal fees will be taken out of stipends up front as well, if applicable.

Male ReTOOL trainees will be residing in Tanglewood Village. The 208 units were built in two phases: 100 units were completed in 1968, and 108 units were completed in 1971. In addition to a new community center coming soon, Tanglewood features two story buildings with fun playgrounds, a pool and free resident parking.

Tanglewood Village Amenities

- High Speed Internet Access
- Laundry Rooms
- Cable Television
- Water
- Local Phone Service
- Evening Security Patrols
- Recreation Rooms
- Free Parking (Tanglewood Only)

Please visit the following link for housing policies:

<http://www.housing.ufl.edu/reslife/commstandards/communitystandards.pdf>

Stipends

Stipend balance (minus housing, parking, and any other applicable fees) will be disbursed in 3 installments:

- First Disbursement – May 17th, 2013
- Second Disbursement – June 28th, 2013
- Third Disbursement – August 12th, 2013 (Final utility bills and walk-throughs will not be completed until after the summer training program has ended).

Health Facilities

While ReTOOL Summer Training students will be living and working on UF's campus, they will not be considered UF students. Therefore they are uninsured and will not receive any medical benefits that are included for students who pay

If you have an emergency please dial 9-1-1. Should you require less severe medical attention please see facility options below:

The map shows Gainesville, Florida, with a blue line representing the Gainesville Expressway (SR 24) running from the northwest to the southeast. Key locations marked include the University of Florida Eastside Campus (green building icon), Cedar Grove (green building icon), and the Northgate Shopping Center. Major roads shown include NW 13th St, NE 16th Ave, NE 8th Ave, and NE 4th Ave. Other landmarks include the Greater Northeast Community, the Northgate Shopping Center, and the University of Florida Eastside Campus. The map also shows the location of the Gainesville Expressway (SR 24) and the University of Florida Eastside Campus.

Each student that wishes to bring a vehicle may do so and will be provided a parking decal for their apartment complex, however you must have a valid driver's license as well as provide me with the following for your vehicle:

- ***Forward this information to Shannon Pressey via email, by no later than April 19th, 2013.**

On May 10th, 2013 **female** students are to report to Diamond Village. Driving directions are below:

	1. Head north on S Monroe St toward E Pensacola St	0.4 mi
	2. Turn right onto E Tennessee St	1.3 mi

	3. Continue onto US-90 E/Mahan Dr	6.3 mi
	4. Merge onto I-10 E via the ramp to Lake City	87.4 mi
	5. Take exit 296A to merge onto I-75 S toward Tampa	47.7 mi
	6. Take exit 387 toward Gainesville	0.2 mi
	7. Merge onto State Road 26 E	4.9 mi
	9. Turn right onto SW 13th St	0.6 mi
	10. Turn right onto SW Murphree Way	92 ft
	11. Take the 1st left onto Diamond Rd	0.2 mi
	Destination will be on the right	
	Diamond Village Apartments Gainesville, FL 32603	

On May 10th, 2013 **male** students are to report to Tanglewood Village Apartments. Driving directions are below:

Driving directions to Tanglewood Apartments 2901 SW 13th St Gainesville, FL 32608

	1. Head north on S Monroe St toward E Pensacola St	0.4 mi
	2. Turn right onto E Tennessee St	1.3 mi
	3. Continue onto FL-10 E/US-90 E/Mahan Dr	6.3 mi
	4. Merge onto I-10 E via the ramp to Lake City	87.4 mi
	5. Take exit 296A to merge onto I-75 S toward Tampa	52.3 mi
	6. Take exit 382 for FL-121 N toward Gainesville	0.2 mi
	7. Turn left onto FL-121 N/SE Williston Rd Continue to follow SE Williston Rd	2.3 mi
	8. Turn left onto US-441 N/SW 13th St Destination will be on the right	

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program: Creating Opportunities for Minority HBCU Students

**ReTOOL Summer 2013 Program Calendar
May 10 – August 3, 2013**

May 10, 2013	Official ReTOOL Starting Date - Students Resume at Diamond/Tanglewood Village, UF
May 13, 2013	ReTOOL Program Orientation <i>** Tour of the UF Cancer Center, Health Sciences library, and other UF resources; Obtain ID badges and parking permits; Tour of the Gainesville community.</i>
May 14–16, 2013	ReTOOL Didactic Training <i>** See ReTOOL class schedule.</i>
May 16, 2013	ReTOOL Exam (Begins at 1:00pm)
May 17, 2013	ReTOOL Program Welcome Reception (8 – 10am) Key Note: Yehia Daaka, PhD <i>*** Individual meetings with mentors</i>
May 20 – June 28, 2013	Experiential Training with ReTOOL Faculty Mentor (students resume to lab) Weekly Community Outreach Experiences with HealthStreet
July 1 – 5, 2013	ReTOOL Summer Break – No ReTOOL program activities
July 12 – 26, 2013	Experiential Training with ReTOOL Faculty Mentor (students resume to lab) Weekly Community Outreach Experiences with HealthStreet
August 2, 2013	Program ReTOOL Annual Research Award Ceremony <ul style="list-style-type: none">• 9:00am-11:00noon: Poster Presentations by Trainees• 1:00-3:00pm: Podium Presentations & Award Ceremony

Shannon Pressey, MS *** Research Programs Coordinator *** University of Florida

Office: 727-394-6162 *** Email: spressey@cop.ufl.edu

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program
Didactic Training Program: May 14 – 16, 2013

	Tuesday, May 14, 2013	Wednesday, May 15, 2013	Thursday, May 16, 2013
8:00-9:00am	Molecular Prostate Cancer Biology and Basic Sciences Principles	Disparities in Health in America Dr. Folakemi Odedina HPNP Room G-105	Establishing and Maintaining a Successful Mentor-Mentee Relationship
9:00 – 10:00am	Dr. Yehia Daaka CGRC Room 391		Dr. Folakemi Odedina & Dr. Phillip Dahm HPNP Room G-108
10:00-11:00am	Prostate Cancer: Epidemiology, Diagnostic Evaluation and Treatment	Cultural Competency Workshops UF CC Program HPNP Room G-105	
11:00-12:00noon	Dr. Philipp Dahm CGRC Room 391		
12:00-1:00pm	Lunch Break		
1:00-2:00pm	Journal Club: ReTOOL Tool Box – Shannon Pressey, MS	Socio-psychological Factors Related to Prostate Cancer	ReTOOL Exam HPNP Room G-108
2:00-3:00pm	TBD	Dr. Folakemi Odedina HPNP Room G-105	
3:00-4:00pm	Genetic Markers and Polymorphisms in Prostate Cancer	Ethical Issues in Research – Shannon Pressey, MS	
4:00-5:00pm	Mentor: TBD TBD	HPNP Room G-105	

**Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL)
Program**

Weekly Research Seminar – Fridays at 1:00pm, HPNP Building RM G-201

Date	Topic	Speaker
May 17	Tour of Health Science Library Facilities (C2-41c)	Rae Jesano MSLS, AHIP
May 24	Literature Search Strategies	Rae Jesano MSLS, AHIP
May 31	Prostate Cancer Advocacy	Mr. Samuel Gaddy
June 7	Overview of Oncology	Thomas J. George, Jr., MD, FACP
June 14*	Scientific Writing and Publications	Earlene Lipowski, PhD
June 21	TBA	TBA
June 28	Community Engagement	Linda B. Cottler, PhD, MPH
July 5: ReTOOL Summer Break		
July 12	GRE & MCAT Tips – Shannon Pressey, MS Student Presentation – Michael Dumas	
July 19	Student Presentation – DeCoria McCauley Student Presentation – Allika Williams	
July 26	Student Presentation – Cassie Hobbs Student Presentation – Olivia Moline	

***Seminar on June 14th, 2013 will take place in the College of Pharmacy, RM 2306.**

ReTOOL Training Program

Student Emergency Contact Form

PLEASE PRINT ALL DETAILS CLEARLY

Date: _____

Last Name First Name Middle Name

Home Address:

City State Zip Code Date of Birth

Cell Phone: Area Code ()

Home Telephone: ()

Please list the people you would like to be notified in case of emergency, including a local contact.

IN CASE OF EMERGENCY CONTACT:

(1) Name & Relationship

Street Address City State Zip Code

Telephone () Daytime Phone # ()

(2) Name & Relationship

Street Address City State Zip Code

Telephone () Daytime Phone # ()

(3) Name & Relationship

Street Address City State Zip Code
Telephone (_____) _____ Daytime Phone # (_____) _____

****Please note that you may or may not answer the following questions at your own discretion.****

Are you allergic to anything? Yes / No _____

If yes, please list all allergies.

Are you taking any medication we should be aware of? Yes / No _____

If yes: Please list all medications we should be aware of:

Do you have any medical/mobility/mental health concerns of which we should be aware? Yes / No ____

If yes, please list medical/mobility/mental health concerns that we should be aware of: _____

The information requested on this card is for emergency use only. In the event of a medical emergency, this information will be used by authorized emergency personnel. Please be honest when completing all pertinent information.

In the case of emergency, I give permission for my information to be released to emergency personnel. I also agree that any of my emergency contacts listed on this card may be notified in an emergency, as needed

Signature & Date: _____ **Name:** _____

ReTOOL Training Program
Orientation Package Acknowledgement Form

I hereby acknowledge the receipt of the ReTOOL Training Program orientation packet. I have carefully reviewed the information contained in this package and fully understand the requirement to adhere to the policies and procedures of the ReTOOL program.

ReTOOL Student Name: _____

ReTOOL Student Signature & Date: _____

ReTOOL Program Manager Name: _____

ReTOOL Program Manager Signature & Date: _____

APPENDIXV
Pictorial Summary of Student Activities





APPENDIX VI
Program Agenda for the 2013 ReTOOL Welcome Reception

Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL)
Program: Creating Opportunities for Minority HBCU Students

ReTOOL Program Welcome Reception

Friday, May 17, 2013, 8:00 – 10:00am

Host: Shannon Pressey, MS

- 8:00am Welcome – **Ms. Shannon Pressey, ReTOOL Program Manager**
- 8:05am Opening Remarks & ReTOOL Program Overview– **Dr. Folakemi Odedina, PI & Director**
- 8:30am ReTOOL Students Introductions & Research Interests
- Michael Dumas
 - Cassie Hobbs
 - DeCoria McCauley
 - Olivia Moline
 - Allika Williams
- 8:45am ReTOOL Faculty Mentors Introductions & Research Interests
- Dr. Yehia Daaka
 - Dr. Walter O'Dell
 - Dr. Nancy Hardt
 - Dr. Folakemi Odedina
 - Dr. Philipp Dahm
- 9:15am Excelling in Research – **Dr. Yehia Daaka, Professor & Research Director, UFPDC**
- 9:30am Closing Remarks – **Dr. Folakemi Odedina, PI & Program Director**
- 9:35am ReTOOL 2013 Program Photo Shot
- 9:45am Individual ReTOOL Faculty-Student Meetings

HAPPY 2013 RETOOL PROGRAM

APPENDIX VII
Announcement Flier for the ReTOOL Annual Research Showcase

PROSTATE CANCER RESEARCH SHOWCASE

2013 UF-FAMU RETOOL PROGRAM



Research Training Opportunities for Outstanding
Leaders (ReTOOL) Program

Prostate Cancer Research Showcase

Friday, August 2, 2013

9:00 AM—2:00PM

Poster Session: 9AM-11AM, HPNP Building Atrium Area
Oral Presentations: 1PM-2:30PM, HPNP Building Room, G-316

PRESENTERS



**DeCoria
McCauley**



**Cassie
Hobbs**



**Michael
Dumas**



**Olivia
Moline**



**Allika
Williams**

TOPICS

Prostate Education Material

Clinical Trial Representation

Prostate Phantom Efficacy

Cancer Cell Sensitization

Prostate Cancer in Haitians

DOD Prostate Cancer Research Program
Award W81XWH-12-1-0083



1st Place

UF-FAMU Prostate Cancer 2013

Research Training Opportunities for
Outstanding Leaders (ReTOOL)
Program

DOD Prostate Cancer Research Program
Award W81XWH-12-1-0083

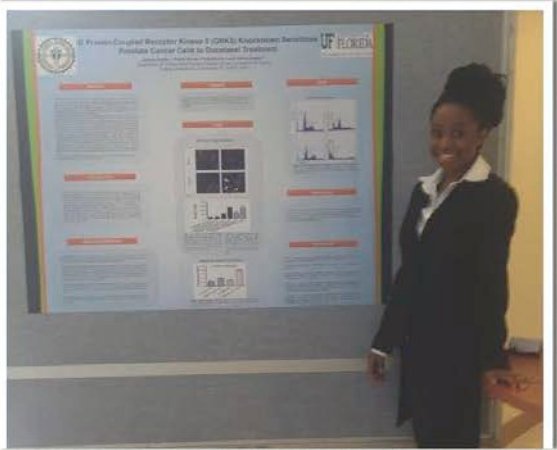
ReTOOL Research Showcase
Gainesville Florida
August 2nd, 2013

Folakemi T. Odedina, PhD
PI & Program Director


APPENDIX IX
Students Photo Voice Assignments for the 2013 ReTOOL Program

2013 ANNUAL UPDATE AUGUST

CASSIE'S RETOOL EXPERIENCE



FIRST PLACE IN THE ORAL AND POSTER PRESENTATION EXPOSITION.




FIRST PLACE IN THE ORAL AND POSTER PRESENTATION EXPOSITION.

Prostate Cancer Cell Sensitization


I was able to experience a variety of new things during my time in the ReTOOL program. I worked in Dr. Daaka's lab and learned several new techniques: one of which was how to "split" cells in a cell culture. I worked alongside Prabir Chakraborty and

successfully completed a research project titled "G Protein-Coupled Receptor Kinase 5 Knockdown Sensitizes Prostate Cancer Cells to Docetaxel Treatment." I won first place in the oral and poster exposition. ReTOOL also exposed me to


community outreach. I was able to inform African American men about the risk factors associated with Prostate Cancer. Though the program was intense, I did find time to relax. Dr. O'Dell invited the other interns and me to go canoeing at his lake house.



COMMUNITY OUTREACH



CELL CULTURE IN THE LAB



DR. O'DELL'S LAKE HOUSE

EMBARKING ON A JOURNEY KNOWN AS RESEARCH

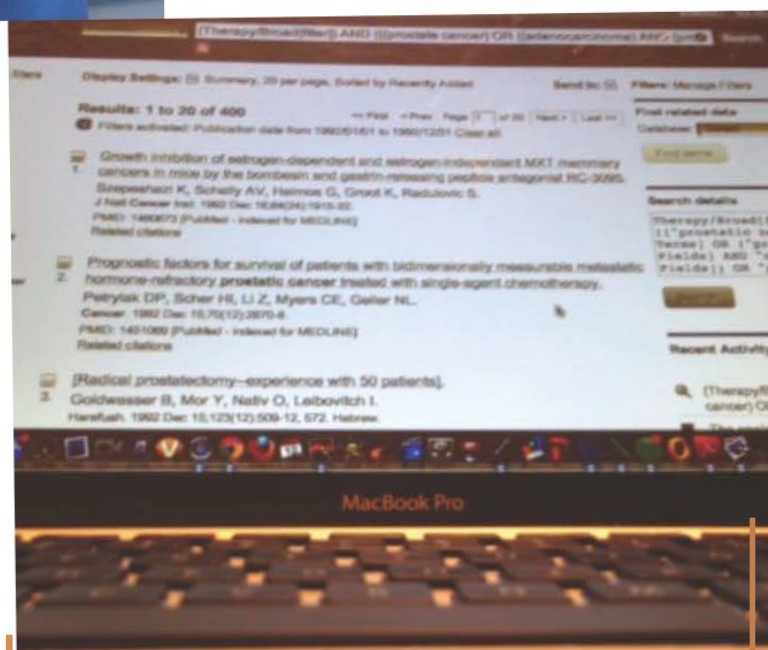


WHEN I FIRST ARRIVED IN
AINESVILLE, I WAS VERY
EXCITED. THIS WAS MY
FIRST EXPERIENCE
CONDUCTING RESEARCH
AND I WAS VERY EAGER
TO LEARN AND CULTIVATE
NEW TALENTS.



I WAS UNSURE HOW
I WOULD NAVIGATE
THIS JOURNEY NOR DID
I KNOW THE TOOLS I
WOULD NEED. YET I
HAD THE DETERMINATION
TO CONTINUE AND MAKE
THE FIRST
STEP.

YET TO MY SURPRISE
MY JOURNEY BEGAN
WITH A STRIKE OF
THE KEYS. I WOULD
SEARCH MULTIPLE
DATABASES AND
MAKE NUMEROUS
TRIPS TO THE
LIBRARY AS I BEGAN
A LITERATURE
REVIEW.





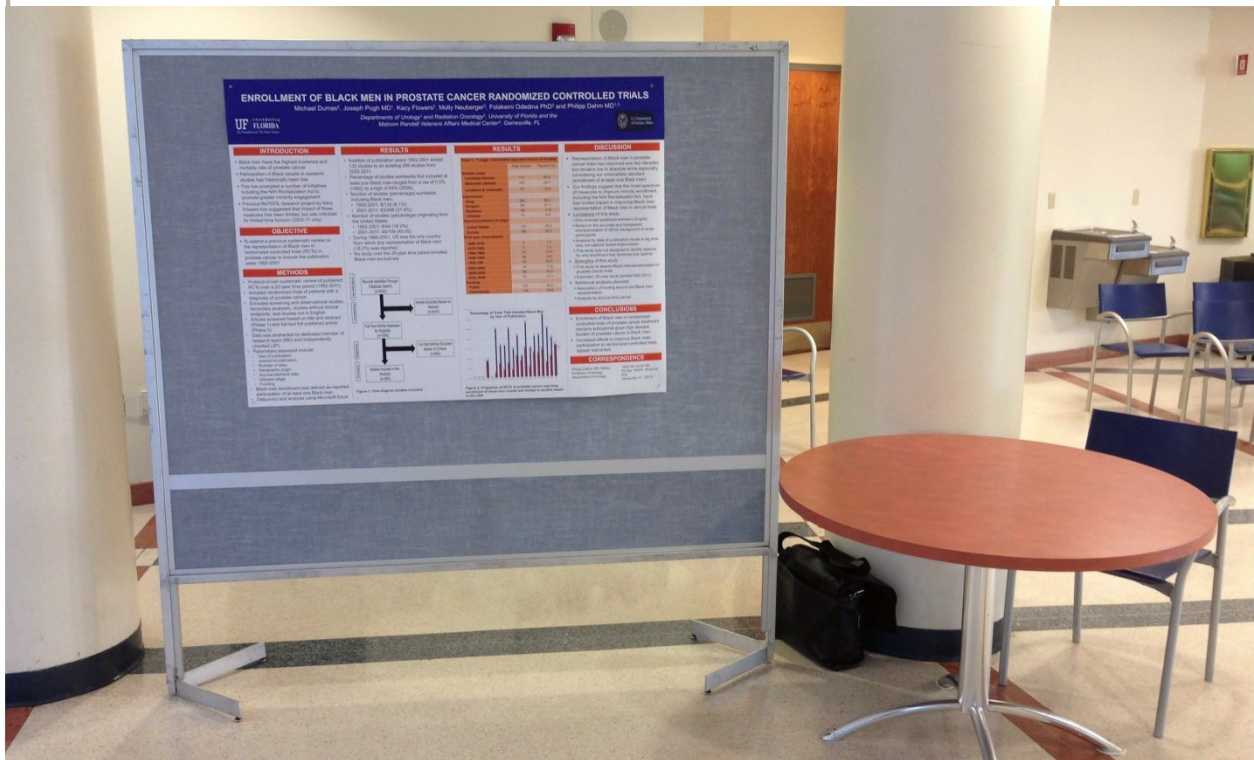
IN ADDITION TO THE TIME I DEVOTED TO MY R.ESEAR.CH, I ALSO JOINED THE RETOOL TEAM. WE WENT TO MULTIPLE HEALTH SUMMITS.WE ASSISTED IN DATA COLLECTION AND DP- TA ENTR.Y THAT WOULD BE USED TO A.SSESS THE IMPACT OF THESE SUMMITS. EVEN TAKINc; TIME TO VISIT HEALTHSLR.EET A FEW TIMES TO LEAR.N EVER.Y STEP OF R.ESEAR.CH, FR.OM CLINICAL TR.IAL TO LITER.ATUR.E R.EVIEW.

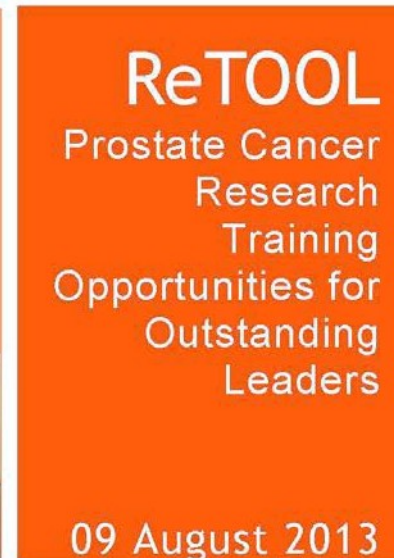
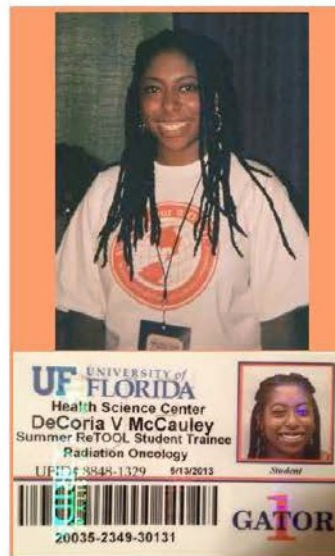


AFTER-. A JOYOUS
SUMMER-. OF
EXPLORATION. I WAS
EAGER-. TO SHARE THE
FINDINGS OF MY
RESEARCH WITH
OTHER-S. UNTIL THE
NEXT VOYAGE.

-MICHAEL DUMAS

T





The Readability of Patient Education Material Regarding Prostate Cancer

by DeCoria McCauley

Distributing my surveys and patient education material on the Mobile Outreach Clinic.

You will learn to savor words and language...We don't read and write poetry because it's cute. We read and write poetry because we are members of the human race. And the human race is filled with passion...The powerful play goes on and you may contribute a verse. What will your verse be?

— Prof. John Keating

in Dead Poets Society

(Taken from a display case in the College of Medicine)



Data Collection for my project Prostate Cancer Knowledge Myths and Misconceptions among Haitian Men began June 15th, 2013 in Orlando Florida. As a team we worked together to begin a successful study. This is the first study ever focusing on myths and misconceptions among Haitian Men.

I was so proud of myself breaking out of my shell and collecting data for the first time in my life. The men were very friendly and I loved the free T-shirts they received. It was the beginning to a great start for me.



Thank you so much ReTOOL for everything that ■ have learned in such a short time. The experience was phenomenal and one that ■ can never forget. The students and ■ will forever be linked thanks to this experience. Dr. Odedina can not be thanked enough for being an amazing mentor. ■ am so grateful to have met her as well as everyone as at ReTOOL.

Photo Voice: Olivia Moline

Reaching out into the nearest community is one of the best ways to accomplish any goal and experience the joys of networking!



Before I could begin to reduce African American health disparities in prostate cancer, people in my nearest community, the faculty and students of the University of Florida Health, were gracious enough to give me more than a helping hand in every aspect of my ReTOOL project. It is only fair to acknowledge and thank the many people who reached out to me and helped lift me up, without whom, this project would have been impossible. ~Allika Williams

(Clockwise: Dr. Long, IRB-02 Coordinator; Dr. Hardt, Health Disparities Professor; Dr. Reams and Dr. Odedina, ReTOOL Coordinators; Dr. O'Dell, my Mentor)





The ReTOOL research took place at The Black Men's Health and Wellness Expo Health Summit in Orlando, Saturday, June 15th, 2013.

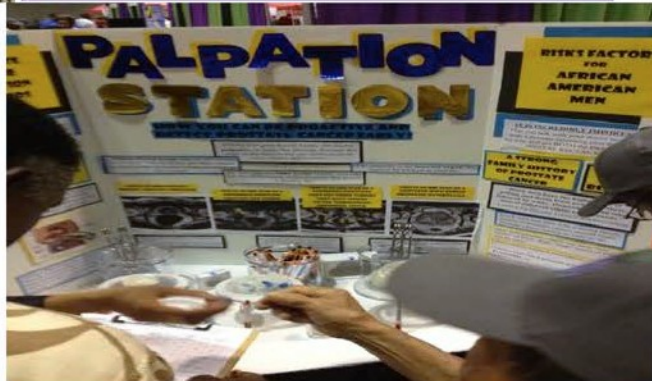


The Methodology of my experiment included three steps:

Step 1: In the intervention arm of the study, the prostate phantoms were shown to participants.

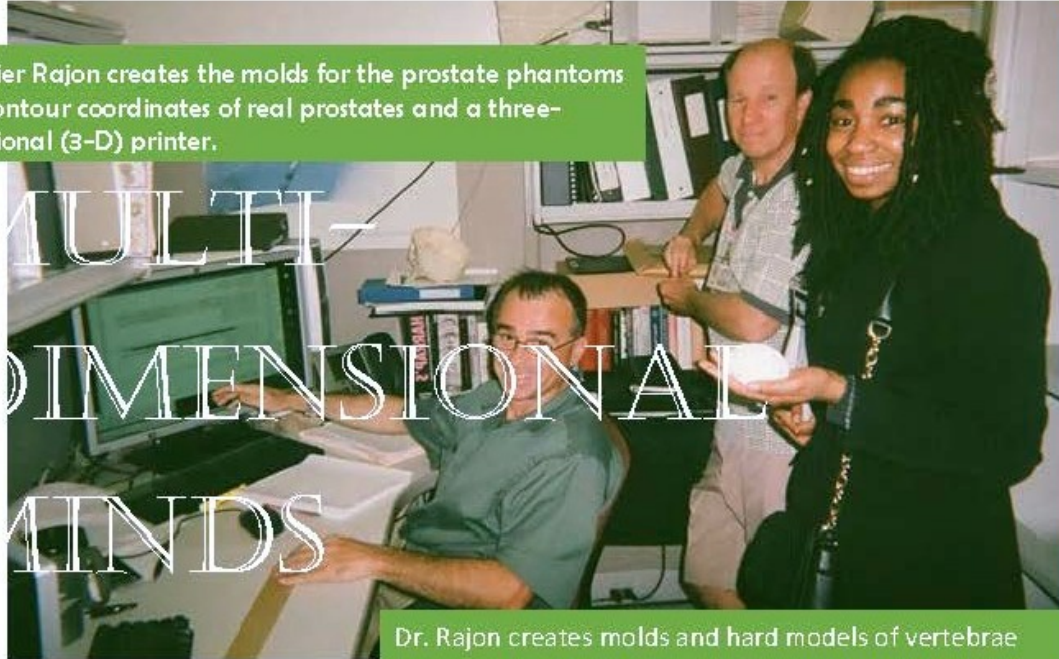
Step 2: Following the tangible experience of the prostate phantoms, participants filled out a survey

Step 3: In an hour, the prostate phantoms were placed out of sight, allowing participants to be informed of the purpose of prostate cancer screening, *without the prostate phantom demonstrations.*



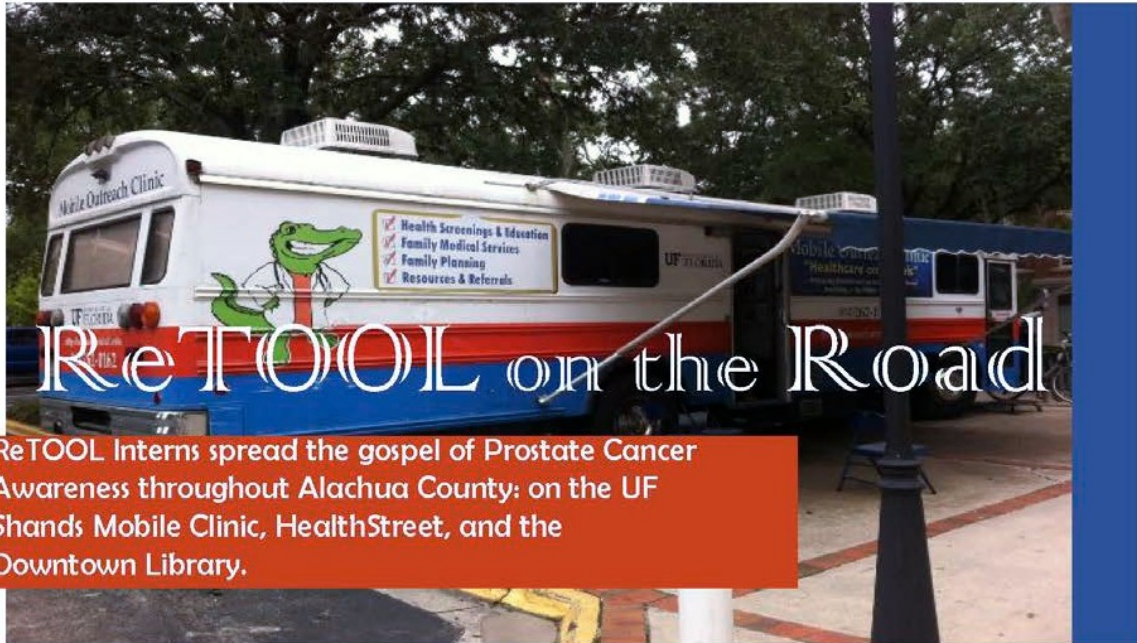
Dr. Didier Rajon creates the molds for the prostate phantoms using contour coordinates of real prostates and a three-dimensional (3-D) printer.

MULTI-DIMENSIONAL MINDS



Dr. Rajon creates molds and hard models of vertebrae for doctors to practice spinal surgery on. The results of using a 3-D printer are incredibly lifelike and rival my own artistic creations in believability. Dr. O'Dell and I could not be more amazed with the outcome and the realistic quality the polyvinyl chloride prostate phantoms and their tumors!





ReTOOL Interns spread the gospel of Prostate Cancer Awareness throughout Alachua County: on the UF Shands Mobile Clinic, HealthStreet, and the Downtown Library.



Community outreach is about helping other people regardless of what small amount you feel you can offer them based on their age, race, or social standing or what they can offer you in return. I plan to utilize health disparities class and use Maslow's Hierarchy of Needs to prevent chronic diseases and reduce the death rates of the people living in my birth town, Waco, Texas.

Top to Bottom: Sensory Lab; "Palpation Station" at HealthStreet; HealthStreet with Ms. Graham; Men's Information at the Downtown Library.



APPENDIX X
ReTOOL Program Student Baseline Survey

Participant Information.	
ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y1 Follow up (Nov) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y2 Nov Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y3 Nov Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y4 Nov Follow up <input type="checkbox"/> Y5 May Follow up <input type="checkbox"/> Y5 Nov Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. I understand that you have been accepted to participate in the ReTOOL summer program beginning in May. We are contacting you to get some baseline information from you in order to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will track trainees through bi-annual surveys for five years after participation in the program to determine their career progress. Today, we just want to get some background information from you to assist us with the future evaluations.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is about your background and contact information.

What is your last name?	
What are your first and middle names?	
What is/are your current phone numbers?	
What is/are your email address(es)?	
What is your current address?	
What is your permanent address?	
Given that we will need to contact you in the future to continue to track how the ReTOOL program impacted your career; please provide phone numbers, e-mail addresses, and/or home addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/Caucasian____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female
How old are you?	

Section I – Academic Institution Information

My next series of questions is about your academic program and institution.

Which institution do you currently attend?	
What is your major?	
What is your minor?	
What is your academic department?	
Which college is your academic department located?	
What is your Academic Year (select one):	<input type="checkbox"/> Freshman <input type="checkbox"/> Sophomore <input type="checkbox"/> Junior <input type="checkbox"/> Senior <input type="checkbox"/> Masters level <input type="checkbox"/> PhD level <input type="checkbox"/> Medical school <input type="checkbox"/> Other professional School (state)
When is your anticipated graduation year?	

Section III – Research Interests & ReTOOL Program Information

Finally, the next series of questions is about your research interests.

Who is your primary mentor for the ReTOOL program?	
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences
At this time, what would you say are your research interests?	
At this time, what would you say is your career plan?	
What is your expectation for the ReTOOL program?	

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END.

APPENDIX XI
ReTOOL Program Student Follow-up Survey

Participant Information.	
ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y1 Follow up (Nov) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y2 Nov Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y3 Nov Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y4 Nov Follow up <input type="checkbox"/> Y5 May Follow up <input type="checkbox"/> Y5 Nov Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. I understand that you participated in the ReTOOL summer program in 20____ (state year). We are contacting you to get some information from you in order to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will track the ReTOOL program participants through bi-annual surveys for five years after participation in the program to determine their career progress. Today, we will be asking you questions about your career and your feedback about the ReTOOL program.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is to reconfirm your background and contact information.

What is your last name?	
What are your first and middle names?	
What is/are your current phone numbers?	
What is/are your email address(es)?	
What is your current address?	
What is your permanent address?	
Given that we will need to contact you in the future to continue to track how the ReTOOL program impacted your career; please provide phone numbers, e-mail addresses, and/or home addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/Caucasian____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female
How old are you?	

Section II – Academic Institution Information

My next series of questions is about your academic background.

Are you currently enrolled in school as undergraduate, professional or graduate students?	
<input type="checkbox"/> Yes (If yes, continue with the questions below)	
<input type="checkbox"/> No (If No, go to Section III)	
Which institution do you currently attend?	
What is your major?	
What is your minor?	
What is your academic department?	
Which college is your academic department located?	
What is your Academic Year (select one):	<input type="checkbox"/> Freshman <input type="checkbox"/> Sophomore <input type="checkbox"/> Junior <input type="checkbox"/> Senior <input type="checkbox"/> Masters level <input type="checkbox"/> PhD level <input type="checkbox"/> Medical school <input type="checkbox"/> Other professional School (state)
When is your anticipated graduation year?	

Section III – Employment information

Are you currently employed?	
<input type="checkbox"/> Yes (If yes, continue with the questions below)	
<input type="checkbox"/> No (If No, go to Section IV)	
Where are you employed?	
What is your job title and/or position?	
Please provide your work phone number, email address and business address.	

Does your job involve research and if yes, what type of research?	
Does your job involve health care, and if yes, what type of health care service?	

Section IV – Research Careers & Scholarly Activities

The next series of questions is about your research interests.

At this time, what would you say are your research interests?	
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences <input type="checkbox"/> None, not interested in research
At this time, what would you say is your career plan?	
What are some of your scholarly achievements since your participation in the ReTOOL program? (check all that apply and complete relevant questions)	
<input type="checkbox"/> Now attending / attended graduate school <ul style="list-style-type: none"> • Institution _____ • Department & Degree _____ • Specialized Area _____ • Graduation Year _____ 	
<input type="checkbox"/> Now attending / attended medical school <ul style="list-style-type: none"> • Institution _____ • Specialized Area _____ • Graduation Year _____ 	
<input type="checkbox"/> Focused interest in prostate cancer.	
<input type="checkbox"/> Focused interest in cancer.	
<input type="checkbox"/> Presented at national/international conferences (list below)	

<input type="checkbox"/> Published in peer-review publications (list below)	
<input type="checkbox"/> Received awards for my work (list below)	
<input type="checkbox"/> New appointments or leadership initiatives (list below)	
What are some other scholarly activities that you think you have achieved since your participation in the ReTOOL project?	

Section IV – ReTOOL Program Evaluation

On a scale of 1 – 5, with 5 being the best, please state your overall evaluation of the following components of the ReTOOL program.

	1	2	3	4	5
The preparatory courses provided during the program.					
The research training experiences provided by the program.					
Your interactions with your mentor.					
The quality of the mentoring experiences.					
Overall satisfaction with the training program.					
The quality of the training program.					
The ability of the program to prepare me for career in the area of prostate cancer.					
Communications with ReTOOL program mentor, director or staff.					

Which of the following ReTOOL program personnel do you still communicate with?

- ☐ UF Program Director, Dr. Folakemi Odedina
- ☐ FAMU Faculty Advisor, Dr. Renee Reams
- ☐ UF ReTOOL Program Manager or Staff (state name _____)
- ☐ My mentor (state name _____)
- ☐ Other (state name _____)

What did you like least about the ReTOOL program and why?

What did you like best about the ReTOOL program and why?

In your own words, please state how the ReTOOL program has impacted your career.

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END

APPENDIX XII

Participant Information.	
34 ReTOOL Survey type (check one)	<input type="checkbox"/> Y1 Baseline data (May) <input type="checkbox"/> Y2 May Follow up <input type="checkbox"/> Y3 May Follow up <input type="checkbox"/> Y4 May Follow up <input type="checkbox"/> Y5 May Follow up
Survey ID	
Date	
Name of interviewer	
Number of calls (check each time organization was contacted)	1 2 3 4 5 6 7 8 9 10

Hello, my name is (FULL NAME) and I'm a research assistant calling on behalf of the University of Florida ReTOOL program. We are contacting you because you are one of the mentors for the ReTOOL program students. We are doing a follow-up survey to document the effectiveness of the ReTOOL program.

Is this a good time for you? **(IF YES, CONTINUE. IF NO, SCHEDULE A CALL BACK TIME.)**

ONCE CONFIRMED: (Read the following carefully to the participant)

As you are aware, the ReTOOL program is a prostate cancer research training program for minority students at Florida A&M University (FAMU). To evaluate the effectiveness of the program, the UF Survey Research Center (UFSRC) will survey mentors annually for five years, from 2012 to 2017. Today, we will be asking you general questions about your experiences as a mentor for the ReTOOL program.

Do you have any questions for me about this survey? **(IF NO, CONTINUE. IF YES, ANSWER THE QUESTIONS.)**

Section I – Background & Contact Information

My first series of questions is to reconfirm your background and contact information.

Confirm mentor's name	
What is/are your current phone numbers?	
What is/are your email address(es)?	
Given that we will need to contact you in the future to continue to track the effectiveness of the ReTOOL program; please provide phone numbers, e-mail addresses, and/or addresses that are best contacts to reach you within the next year.	
What is your racial background? (check one)	<input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian (e.g. Indian, Japanese, Chinese) <input type="checkbox"/> White/ Caucasian____ <input type="checkbox"/> Other (please specify) _____
Are you Hispanic, Latino or of Spanish origin? (check one)	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your gender? (check one)	<input type="checkbox"/> Male <input type="checkbox"/> Female

My next series of questions is about your academic institution and research interests.

Current employer?	
What are your academic department and college?	
What is your current work address?	
What is your Academic Title:	<input type="checkbox"/> Assistant Professor <input type="checkbox"/> Associate Professor <input type="checkbox"/> Full Professor

	<input type="checkbox"/> Other (state)
What is your area of research? (check one):	<input type="checkbox"/> Basic Sciences <input type="checkbox"/> Biomedical Sciences <input type="checkbox"/> Clinical Sciences <input type="checkbox"/> Population Sciences
Please provide us with key words for your area of expertise.	

Section III – The ReTOOL Program Information

The next series of questions is about the ReTOOL program.

Were you assigned a mentee for this year's ReTOOL program? <input type="checkbox"/> Yes (If yes, continue with the questions below) <input type="checkbox"/> No (If No, go to Section IV)	
Who is your primary mentee for this year's ReTOOL program?	
Were you involved in the selection of your mentee?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is your expectation for this mentee?	
What is your expectation for the ReTOOL program?	

Section IV – Research Careers & Scholarly Activities

The next series of questions is about your experiences with your previous mentee(s)

Not counting your current ReTOOL student, how many students have you mentored under the ReTOOL program? What are their names?	
--	--

Do you know where your previous ReTOOL mentee(s) are, i.e. their academic program or employment? <input type="checkbox"/> Yes (please state) <input type="checkbox"/> No	
What are some of the scholarly collaborations you had with your ReTOOL mentee(s)? (check all that apply and complete relevant questions)	
<input type="checkbox"/> Presented at national/international conferences (list below) <input type="checkbox"/> Published in peer-review publications (list below) <input type="checkbox"/> Received awards for our work (list below) <input type="checkbox"/> New appointments or leadership initiatives due to our work (list below) <input type="checkbox"/> Other scholarly accomplishments (list below)	

Section IV – ReTOOL Program Evaluation

On a scale of 1 – 5, with 5 being the best, please state your overall evaluation of the following components of the ReTOOL program.

	1	2	3	4	5
The preparatory courses provided to students during the program.					

The research training experiences provided to the students.					
Your interactions with your mentee(s).					
The quality of the mentor-mentee relationship.					
Overall satisfaction with your mentee(s).					
The quality of the training program.					
The ability of the program to prepare my mentee(s) for career in the area of prostate cancer.					
Communications with my mentee(s).					

Please list your ReTOOL mentee(s) that you still communicate with?

What did you like least about the ReTOOL program and why?

What did you like best about the ReTOOL program and why?

In your own words, please state how the ReTOOL program has impacted your career as a scientist.

Thank you for participating in this survey. Do you have anything else you would like to share with us about yourself or the ReTOOL program?

Thanks. END.

Appendix XIII

ReTOOL Trainees CVs

Allika Williams

Florida Agricultural & Mechanical University (FAMU), Tallahassee, FL

EDUCATION

- Majors: Pre-Medicine Biology and Fine Arts, 3.53 GPA August 2012 – Present
- Honors Program, Track III (Honors Thesis)
- Anticipated Degree: Bachelor of Science, May 2015

School for the Talented and Gifted at Townview (TAG), Dallas, TX

August 2008 – June 2012

- Advanced Placement
- Degrees Awarded: Associates of Arts and High School Diploma
- Summa Cum Laude (3.7 GPA – Unweighted)

FAMU Department of Biology Tutoring Laboratory; *Biology Tutor*

January 2013 – April 2013

EMPLOYMENT HISTORY

Clinical Experience

- Methodist Hospital Junior Volunteer; *Assistant*, Dallas, TX February 2008 – August 2012
- Alachua County Mobile Outreach Clinic, Gainesville, FL May 2013 – July 2013
- HealthStreet Outreach Project, Gainesville, FL; *Coordinator*

& ONCOLOGY RESEARCH EXPERIENCE

- UF-FAMU Research Training Opportunities for Outstanding Leaders (ReTOOL) at the University of Florida; *Intern* May 2013– August 2013
May 2014– August 2014

FAMU A.N.I.M.E. (Advancing New and Innovative Multicultural Experience) Club: *Reloaded*;

April 2014 – Presiding
April 2013 – April 2014
April 2011 – April 2013

ORGANIZATIONS

- *Historian*,
- *President*,
- *Public Liaison*,

January 2014 – Presiding

FAMU BSO Art Club; *Historian*, *Public Liaison*

FAMU BSO (Biology Student Organization); Community Service Committee Member

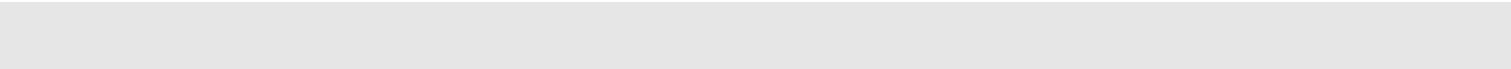
January 2012 – April 2015

	Second Harvest Food Pantry; <i>Volunteer</i>	August 2013 – Current
	Play for the Philippines: Typhoon Clothing Drive Benefit	January 2014
	FAMU Green Coalition; <i>Head Apartment Recycling Coordinator</i>	April 2012 – April 2013
Volunteer Experience	E.D.I.F.Y. Group; <i>Chaperone</i>	April 2012 – April 2013
	Jubilee United Methodist Church (JUMC) Youth Group; <i>Secretary</i>	April 2012 – April 2013
	JUMC Youth Usher Board and Youth Choir; <i>Section Leader</i>	April 2012 – April 2013
	JUMC Food Pantry; <i>President/Chef</i>	February 2008 – August 2013
	Florida Agricultural and Mechanical University Presidential Scholarship; <i>Recipient</i>	August 2012 – April 2015
Honors	National Honor Society; <i>Distinguished Member</i>	April 2012- April 2015
&	National English & Science Honor Society; <i>Distinguished Member</i>	April 2012- April 2015
Awards	Florida-Georgia Louis Stokes Alliance For Minority Participation (FGLSAMP) in Science Technology Engineering & Mathematics (STEM) Award; <i>Recipient</i>	August 2013 & January 2014
	Florida-Georgia Louis Stokes Alliance For Minority Participation (FGLSAMP) in Science Technology Engineering & Mathematics (STEM) 2 nd Place Oral Presentation Award for Life Sciences; <i>Recipient</i>	February 2014
	FAMU Honors Association--FAMU Honors Achievement Award; <i>Recipient</i>	April 2014
	Presenter, FAMU Honors English II	
Presentations	<ul style="list-style-type: none"> ▪ “Oedipus Wrecks: Expanding the Truth and Irony of Oedipus Rex” 	February 2012
	Presenter, “Establishing the Efficacy of Tangible Prostate Phantoms to Improve Screening Compliance of Black Men” <ul style="list-style-type: none"> • UF-FAMU Research Training Opportunities for Outstanding Leaders (ReTOOL) at the University of Florida 	August 2013

Presentations

- Florida-Georgia Louis Stokes Alliance For Minority Participation (FGLSAMP) in Science Technology Engineering & Mathematics (STEM) 2014 Conference in Jacksonville, Florida February 2014
- The Florida A&M University 2014 Honors Conference April 2014
- International Cancer Education Conference in Clearwater, FL October 2014

Guest Speaker, “Only Rain Down the Drain” --- the Teen 411 Show on National Public Radio (NPR on 88.9) at Florida State University March 2014



**Hobbies,
Interests, &
Activities**

- Classical Oil Painting
- Earthenware Clay Sculpting
- Charcoal and Graphite Drawing
- Japanese Film and Art (Anime and Cultural Sociology)
- Original Animation and Graphic Design
- Classic Literature (The World’s Library -100 Best Books of All Time)
- Bike Riding and Skateboarding

MICHAEL L.M. DUMAS

OBJECTIVE

To obtain the skills from a medical school education that will allow me to address the clinical needs, especially healthcare disparities, in the various communities I aspire to serve.

EDUCATION

Florida A&M University, Tallahassee, FL

Bachelors of Science in Biology, May 2015

GPA: 3.60 / 4.0

RESEARCH EXPERIENCE

University of Florida-Department of Urology, Gainesville, FL

05/2013-08/2013

Participated in The Florida Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program under the tutorage of Philipp Dahm, M.D., MHSc, Faculty Mentor

Project: Comparison of the number of published clinical trials that included African-American men since the passing of the NIH Revitalization Act of 1993.

FAMU Research Experience Undergraduate (REU) , Tallahassee, FL

05/2014-08/2013

Will participate in medicinal chemistry lab research related to prostate cancer cells as part of the FAMU REU Program under the tutorage of R. Renee Reams, PhD, Faculty Mentor

Northwestern Memorial Hospital- Department of Radiation Oncology, Chicago, IL

06/2011-08/2011

Intern Undergraduate

- Checked in over 80 patients per day
- Transported patients from therapy to treatment
- Provided summary presentation to senior level management on internship experience.

Florida A&M University Honors Center, Tallahassee, FL

April 2014-Present

Student Assistant

- Performed clerical work in a professional and timely manor
- Offered tutoring to students of all undergraduate levels
- Contributed to student mentoring fostering a teamwork environment.

Florida A&M University Scholars Program, Tallahassee, FL

2011-present

Tutor and Spring Preview Presenter

- The group of FAMU Presidential Scholars tutors students in all subject areas. In addition to this, the scholars give tours of the campus and provide information related to available scholarships offered by the university.

PROFESSIONAL AFFILIATIONS/AWARDS

- Recipient of Presidential Life Gets Better Scholar at Florida A&M University (2011-present)
- Florida A&M University Dean's List (2011-present)
- Florida A&M University Honors Program (2011-present)
- 2nd Place 2013 ReTOOL Research Showcase
- Florida A&M University Honor Student Association (2011-present)
- Florida A&M University Biology Student Organization (2012-present)
 - **Publicity Coordinator** 2012-2013
- Florida -Georgia Louis Stokes Alliance for Minority Participation (2013-present)
- Florida A&M University Health Occupations Students of America Inc. (2014-present)
 - **Community Service Committee Chair (2014)**

Olivia Moline
Florida A&M University

Career Overview

My future career goal is to become a medical doctor specializing in pediatrics or neonatology.

Major: Biology Pre/Medicine

Classification: Senior

Accomplishments

- Deans list Spring 2012
- Honor Roll student
- 2013 Summer Internship (UF ReTool Program) Project to be published: Prostate cancer knowledge, myths, and misconceptions among Haitian-American men.

Organizations

- FGLSAMP (member since 2011)
- Teaching Our Youth Science (T.O.Y.S)
- Biology Student Organization (B.S.O)
- Stellar Mentorship Program
- Kappa Psi Psi Sorority Incorporated (2014-2015 Miss Scarlet Red & Cadet Gray)
- Health Occupations Students of America (HOSA)

Shadowing & Community Service

- Dr. Louis St.Petery (Pediatric Cardiologist)
- Dr. Julia St.Petery (Pediatrician)
- Bonds elementary School volunteer

- FAMU University Office of University Control volunteer
- FAMU Relay for life Spring 2014
- 32 Total recorded Hours

Experience (Poster Presentations)

- Peach State LSAMP Conference
- 2013 FAMU Research Forum
- ERN Conference (Feb.2014)
- Emory STEM Symposium
- FGLSAMP Conference (**3rd place winner**)
- 2014 ABRCMS Conference (Nov.2014)
- Science of Global Prostate Cancer Conference (Nov.2014)
- AACE Conference (Oct.2014)

Danielle B. Anderson

SUMMARY

To obtain a position in a laboratory or scientific environment that will allow me to continue to excel in the teaching and understanding of chemistry and science principles

HIGHLIGHTS

- Enormous enthusiasm for research in biochemistry
- Excellent and consistent academic work
- Endeavors for end result with patience and accuracy
- Extensive cooperative approach in a team environment
- Self-motivated to accomplish goals independently
- Proficiency in handling chemical and other laboratory tools
- Experience in secondary education
- Reliability and leadership in the work environment

EDUCATION

Smiths Station High School
Advanced Diploma
Cumulative GPA: 3.9

Smiths Station, AL
May 2007

Florida Agriculture and Mechanical University,
Bachelor of Science in Biochemistry
Cumulative GPA: 3.35/4.0

Tallahassee, FL
May 2012

Florida Agriculture and Mechanical University,
Masters of Science in Biochemistry
Cumulative GPA: 3.68/4.0

Tallahassee, FL
August 2012-May 2014

RELEVANT COURSES

Biochemistry I, II, Organic Chemistry I, II, Calculus I, II, III, Genetics, Proteins, Nucleic Acids, Instrumental Analysis, Inorganic Chemistry, Physical Chemistry, Microbiology, Anatomy I,II, Microbiology, Cell Biology

WORK EXPERIENCE

Virginia Polytechnic Institute and State University Multicultural Academic Opportunities Program

Summer Intern and Lab Technician

June 2011-August 2011

- Analyzed Results from NMR and MS
- Synthesized Iridium and Ethambutol Complexes
- Performed Testing Against MRSA and Mycobacterium for Antibiotic Activity
- Presented findings in Professional Seminar
- Patent Pending

Florida Agricultural and Mechanical University Pre-Med Shadowing Program

Student Research Assistant

August 2010-2013

- Observe everyday duties of Dr. Mahoney of Tallahassee Memorial Hospital
- Observed Histology; Slide Overview and Cytology and Autopsy
- Shadow Pathologists' Assistants which involved Grossing, Dictation, Margins, Inking the Specimen and Equipment Handling

University of Florida –Florida Agricultural and Mechanical University RE-TOOL Program

Student Research Assistant

May 2012- July 2012

- Cultured a variety of prostate cell lines in a controlled laboratory setting
- Performed cell analysis by Polymerase Chain Reaction and spectrophotometry
- Observed daily lab meetings

- Participated in journal club
- Presented research in a professional seminar
- Volunteered at the local mobile health clinic
 - Observed patient and doctor interactions
 - Collected personal information for data entry
 - Discussed with patients about safe sex practices

Florida Agricultural and Mechanical University Graduate Student

August 2013- May 2014

Student Research Assistant and Office Aide

- Perform analysis on tissues using various assays (ELISA, Malondialdehyde)
- Research focus is on diabetes and obesity (Diabetes)
- Duties include tutoring students in chemistry and assisting professors in lab
- Interacting with students and professors in a professional office setting
- Utilized various scientific instruments and techniques (spectrophotometer, PCR, centrifuge)

East Gadsden High School

2013- Present

11th and 12th grade Chemistry Teacher

- Present daily lectures to students in general chemistry
- Attain a positive relationship through communication with faculty/students/parents
- Perform lab experiments of variable difficulty with students
- Member of Reading Leadership Team
- Board Member of School Leadership Team
- Development of innovative strategies
- Problem solving to improve school performance
- Rookie Teacher of the Year 2015
- PAEC STEM Mentor Teacher

Florida Agricultural and Mechanical University

August 2014- Present

Biochemistry I, Biochemistry II, General Chemistry I, II Adjunct Lab Instructor

- Lab instructor
- Provide tutoring services
- Continuous improvement of laboratory skills
- Increase student desire to enter into a STEM career

AWARDS/ACCOMPLISHMENTS/ASSOCIATIONS

Florida Agricultural and Mechanical University (FAMU) Dean's List Recipient (2010); Mid Eastern Atlantic Conference All Academic Team (2010, 2011); Elected Student Athlete in STEM Award and winner for BEYA STEM Global (2011); Nominated for NCAA Woman of the Year Award (2011); Awarded Florida Agricultural and Mechanical University athletic scholarship(2009); Florida Agricultural and Mechanical University (FAMU) Honor Roll (2009,2010,2011,2012); Fellowship of Christian Athletes; Student Athletic Advisory Committee; Rattler Association of Chemists; FAMU Women's Basketball Team; Title 1X Committee of 2010; Student National Medical Association (SNMA); American Medical Women's Association; Florida Agricultural and Mechanical Pre-Med Shadowing Program; Rookie Teacher of the Year (EGHS, 2015)

COMMUNITY INVOLVEMENT

Reading to Toddlers; Sickle Cell Walk; Participant in Annual *Feed the Needy and Toys for Tots* events; Mentor disadvantaged youth; Mt. Olive Baptist Church Usher and Vocalist; FAMU Athletics Department volunteer; University of Florida Mobile Clinic, PAEC STEM Mentor for Panhandle schools

REFERENCE FURNISHED UPON REQUEST

Tamieka Atkinson

OBJECTIVE: Tenacious student seeking to obtain entrance into a graduate program that will assist in honing my research skill set.

EDUCATION	Florida Agricultural & Mechanical University (FAMU), Tallahassee, FL	August 2010 – April 2014
	<ul style="list-style-type: none"> ▪ Majors: Chemistry Pre-Medicine and Psychology ▪ Honors Program, Track III (Honors Thesis) ▪ Degree: Bachelor of Science May 2014 ▪ 3.73 G.P.A 	
EDUCATION	College Academy at Broward College, Davie, FL	August 2008 – June 2010
	<ul style="list-style-type: none"> ▪ Dual Enrollment ▪ Degrees Awarded: Associates of Arts and High School Diploma ▪ Summa Cum Laude 	
EMPLOYMENT HISTORY	FAMU Department of Chemistry Tutoring Laboratory, Tallahassee, FL	August 2011 – Present
	Clinical Experience	
	<ul style="list-style-type: none"> ▪ Broward Health Department, Pembroke, FL ▪ Alachua County Mobile Outreach Clinic, Gainesville, FL 	February 2008 – August 2010 May 2012 – July 2012
	Denny's Restaurant, Pembroke Pines, FL	May 2009 – August 2010
	<ul style="list-style-type: none"> ▪ Hostess & Server 	
EMPLOYMENT HISTORY	Memorial Healthcare System, Miramar, FL	June 2008 – August 2008
	<ul style="list-style-type: none"> ▪ Respiratory Therapy Department, Medical Receptionist 	
RESEARCH EXPERIENCE	FAMU College of Science and Technology	August 2012 – Present
	<ul style="list-style-type: none"> ▪ Undergraduate Organic Chemistry Volunteer 	
	U. S. Department of Defense Prostate Cancer Research Program	May 2012 – August 2012
	<ul style="list-style-type: none"> ▪ University of Florida – Florida A & M University Research Training Opportunities for Outstanding Leaders (ReTOOL) 	
RESEARCH EXPERIENCE	National Science Foundation - Research Experience for Undergraduates, University of Missouri	May 2011 – August 2011
	<ul style="list-style-type: none"> ▪ Summer Research Internship in Medical Sciences 	
ORGANIZATIONS	FAMU Presidential Ambassadors	March 2011 – May 2014
	<ul style="list-style-type: none"> ▪ Vice President, April 2011 – April 2012 	
	FAMU Caribbean Student Association	August 2011 – Present
	<ul style="list-style-type: none"> ▪ Historian, April 2012 – April 2013 	
	FAMU Honors Student Association	August 2010 – Present
ORGANIZATIONS	<ul style="list-style-type: none"> ▪ Vice President, April 2011 – April 2012 	
	FAMU Rattlers Association of Chemist	August 2010 – Present

- Vice President, April 2012 – April 2013

VOLUNTEER	Big Brother & Big Sister, Tallahassee, FL	April 2012 – Aug 2013
EXPERIENCE	Broward Health Department, Pembroke Pines, FL <ul style="list-style-type: none"> ▪ Teen center Educator for Sexual health Awareness 	February 2008 – August 2010
	The American Society for Microbiology Honorarium Award (ABRCMS)	November 2012
	Florida A&M University 2012 Student Research Forum	September 2012
	UF-FAMU ReTOOL Oral Presentation, First Place	July 2012
Honors & Awards	The Florida Collegiate Honors Council Board of Directors, Representative	February 2012 – February 2013
	Florida A&M University Dean's List	August 2010 – April 2012
	Florida A&M University Honors Program, Honors Thesis Track	August 2010 – April 2012
	Florida A&M University Distinguished Scholars Award	August 2010 – April 2012
	Florida Medallion Scholars Award	August 2010 – April 2012
	Presenter, The Annual Biomedical Research Conference for Minority Students <ul style="list-style-type: none"> ▪ "The Effect of G-protein receptor kinase 5 on the migration of PC3, Du145, and LNCaP Prostate Cancer Cell Lines" 	November 2012
	Publication, Atkinson, Tamieka (2004). Stem Cell Therapy: The New Age of Treatment. <i>Florida A & M University Honors Journal</i> , 25(1), 11-14.	April 2012
Publications & Presentations	Presider, FAMU Annual Chemistry Department Banquet	April 2012
	Presider, Florida-Georgia Louis Stokes Alliance for Minority Participation Senior Banquet	April 2012
	Presider, FAMU Annual Honors Convocation	March 2012
	Presenter, Florida Collegiate Honors Council <ul style="list-style-type: none"> ▪ "Calling Mr. Sandman: Addressing the Impacts of Sleep Deprivation" 	February 2011
	Presenter, Florida A & M University- Undergraduate Science Research Forum <ul style="list-style-type: none"> ▪ "The Effect of the RNA-binding Protein HuR on Cell Proliferation in MDA-MB-231Breast Cancer Cell Line." 	November 2011
	Presenter, National Association of African American Honors Programs Conference <ul style="list-style-type: none"> ▪ "Analysis of W.E.B Dubois' novel The Quest of the Silver Fleece" 	November 2010
References	Furnished Upon request	

DeCoria V. McCauley

OBJECTIVE:

- College student seeking a position as a tutor where I can apply my solid education background to help students with subjects they need assistance with

EDUCATION:

- Florida Agricultural and Mechanical University
Bachelor of Science: Chemistry & Biochemistry, May 2015 GPA: 3.57

WORK EXPERIENCE:

- Accounting assistant for Richardson Independent School District: 2009-2011
 - Processed invoices for 55 schools
 - Filed check copies
 - Closed purchase orders
 - Posted journal entries and deposits
 - Ran reports for accountants and auditors
 - Assisted A/R representative and cash manager
 - Entered and tracked voided checks

RESEARCH EXPERIENCE:

- Biomedical Research with Dr. Bereket Mochona: Florida A&M, Fall 2012-Present
 - Presented research at the 247th ACS National Meeting & Exposition
- Prostate Cancer Research Training Opportunities for Outstanding Leaders (ReTOOL) Program: Summer 2013 at the University of Florida
 - Conducted research in the social/behavioral science field with Dr. Nancy Hardt
 - Presented at the UF Prostate Cancer Research Showcase August 02, 2013
- Biomedical Research Apprenticeship Program (BioMedRAP): Summer 2014 at Washington University in St. Louis
 - Conducted research in the molecular biology field with Dr. Sarah K. England
 - Presented at the Washington University Poster Symposium August 01, 2014

HONORS/AWARDS:

- Life Gets Better Scholarship Recipient
- *Fall 2012 – Present*: Golden Key International Honour Society Member
- *Spring 2012*: Graduated Higher Ground Leadership Program
- *Fall 2013*: FAMU Research Forum Poster Presentation: 3rd Place Behavioral Studies
- *Fall 2013*: Annual Biomedical Research Conference for Minority Students
- *Spring 2014-Present*: Alpha Kappa Mu Honor Society Member
- *Spring 2014*: Oral presentation at the FAMU Honors Conference

EXTRACURRICULAR ACTIVITIES:

- *Fall 2011 – Present*: RAC (Rattler's Association of Chemists)
 - *Fall 2013 – Spring 2015*: President
- *Fall 2012 – Present*: Florida-Georgia Louis Stokes Alliance for Minority Participation
- *Fall 2012 – Spring 2013*: Secretary of the Texas Club at Florida A&M
 - *Fall 2013–Spring 2014*: Treasurer of the Texas Club
- *Fall 2012 – Present*: New Mt. Zion A.M.E Youth Choir and H.O.O.K Ministry
- *Fall 2012 – Present*: Honor Student Association
- *Summer 2013*: Attended the 11th Annual Disparities in Health in America Summer Workshop at Prairie View A&M University via telecast
- *Summer 2013*: Volunteer at HealthStreet Clinic in Gainesville, FL
- *Spring 2014— Present*: became a Florida A&M University Presidential Ambassador

REFERENCES:

- Edi Troung, Administrative Manager at Richardson ISD
- Bereket Mochona, PhD Associate Professor, Florida A&M University